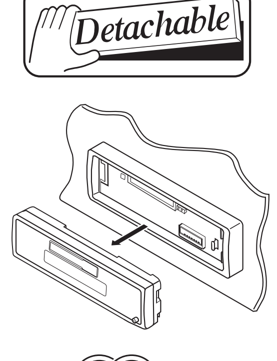
JVC

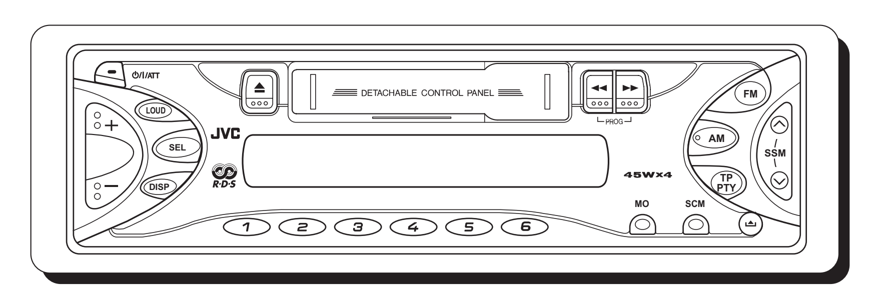
SERVICE MANUAL

CASSETTE RECEIVER

KS-F383R,KS-F380R

Area Suffix
E ---- Continental Europe
EX -------- Central Europe







Model	Illumination color
KS-F383R	Amber
KS-F380R	Green

TABLE OF CONTENTS

No.49813
2003/03

SECTION 1
Important Safety Precautions

1.1 Safety Precautions

⚠ ***CAUTION*** **Burrs formed during molding may be left over on some parts of the chassis. Therefore, pay attention to such burrs in the case of preforming repair of this system.**

SECTION 2
Disassembly method

2.1 Main body

2.1.1 Removing the front panel assembly (See Fig.1)

(1) Press the release button and remove the front panel assembly.

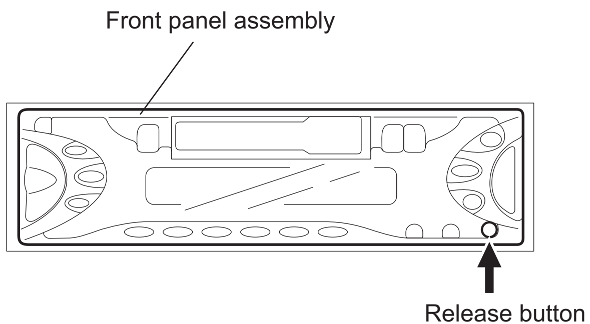


Fig.1

2.1.2 Removing the bottom cover (See Fig.2)

- Prior to performing the following procedure, remove the front panel assembly.
  (1) Turn the body upside down.
  (2) Insert a screwdriver under the joints to release the two joints **a** on the left side, the two joints **b** on the right side and the joint **c** on the back of the body, then remove the bottom cover from the body.

CAUTION:
When releasing the joint c using a screwdriver, do not damage the main board.

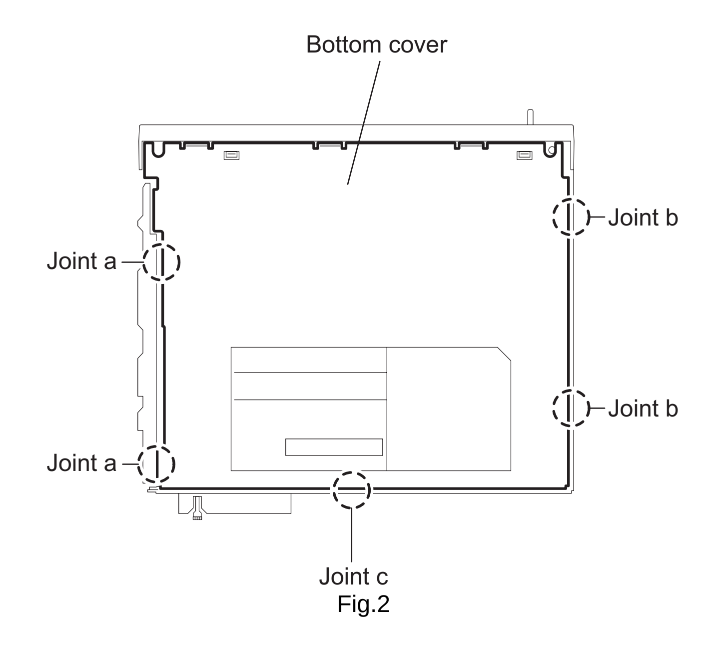


Fig.2

2.1.3 Removing the front chassis (See Fig.3)

- Prior to performing the following procedure, remove the front panel assembly and bottom cover.
  (1) Remove the screw **A** on each side of the body.
  (2) Release the two joints **d** and two joints **e** on the sides, then remove the front chassis toward the front.

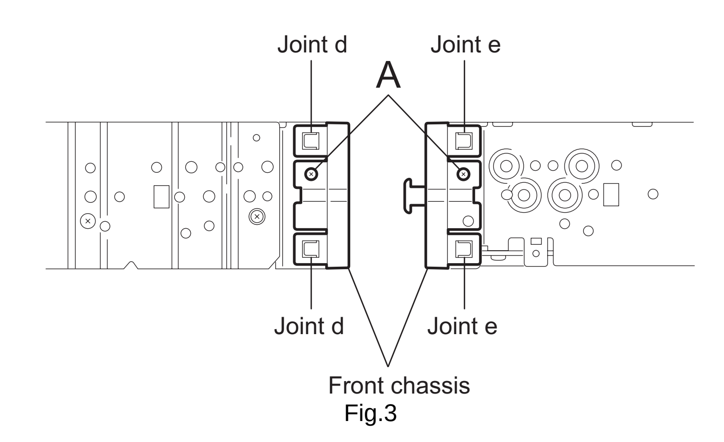


Fig.3

2.1.4 Removing the heat sink (See Fig.4)

- Prior to performing the following procedure, remove the front panel assembly.
  (1) Remove the two screws **B** and two screws **C** attaching the heat sink on the left side of the body, and remove the heat sink.

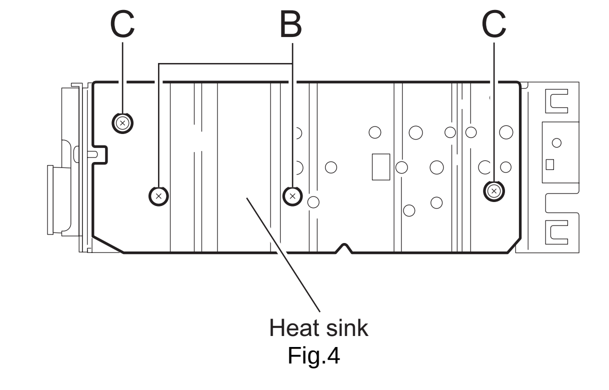


Fig.4

2.1.5 Removing the rear panel (See Fig.5)

- Prior to performing the following procedure, remove the front panel assembly and bottom cover.
  (1) Remove the two screws **D**, screws **E** and screw **F** attaching the rear panel on the back of the body.

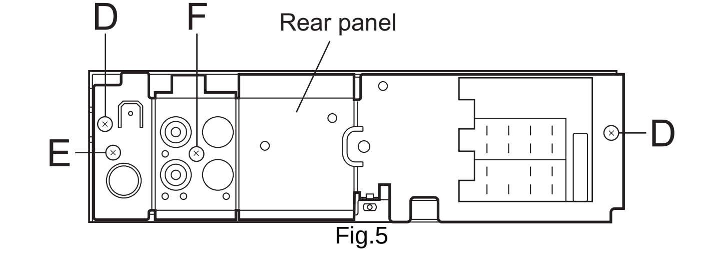


Fig.5

2.1.6 Removing the main board (See Fig.6)

- Prior to performing the following procedure, remove the front panel assembly, bottom cover, front chassis, heat sink and rear panel.
  (1) Remove the two screws **G** attaching the main board on the top chassis.
  (2) Disconnect the two connectors CN901 and CN902 on the main board from the cassette mechanism assembly.

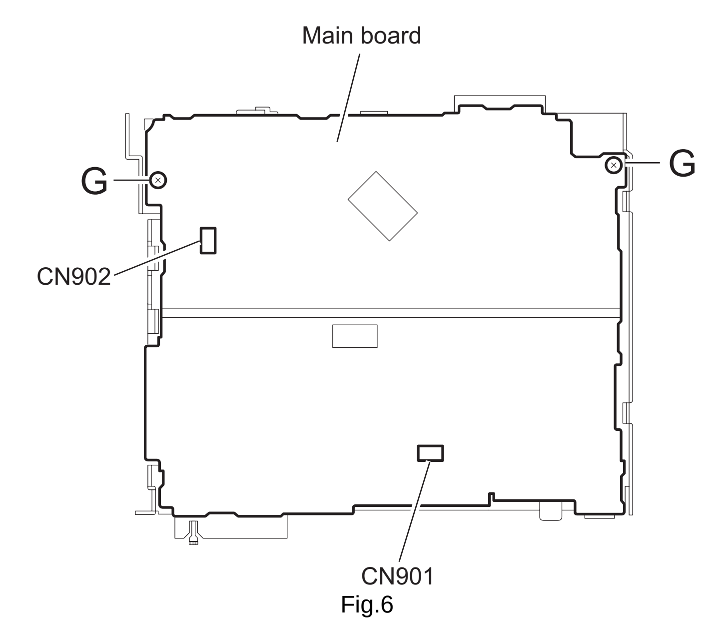


Fig.6

2.1.7 Removing the cassette mechanism assembly (See Fig.7)

- Prior to performing the following procedure, remove the front panel assembly, bottom cover, front chassis, heat sink, rear panel and main board.
  (1) Remove the four screws **H** attaching the cassette mechanism assembly on the top chassis.

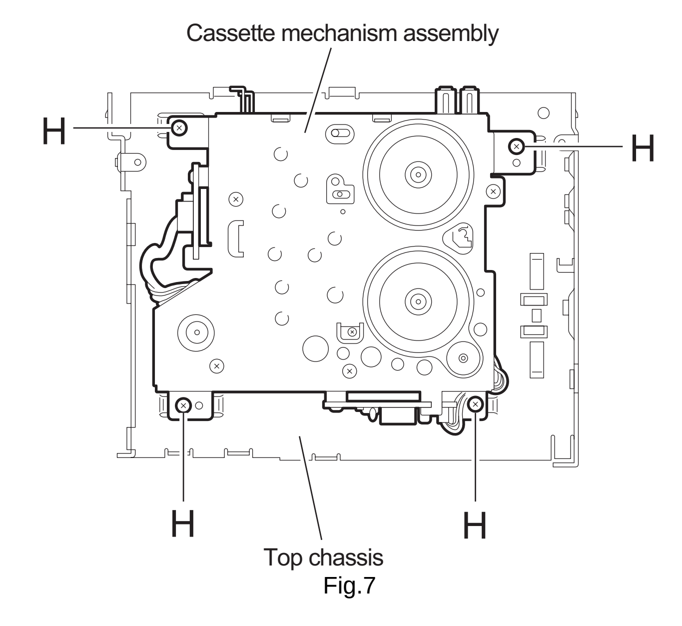


Fig.7

2.1.8 Removing the head amplifier board (See Fig.8)

- Prior to performing the following procedure, remove the front panel assembly, bottom cover, front chassis, heat sink, rear panel, main board and cassette mechanism assembly.
  (1) Disconnect the wire from CJ901 on the head amplifier board.
  (2) Remove the screw **J** attaching the head amplifier board.
  (3) Move the head amplifier board in the direction of the arrow to release the two joints **f**, the head amplifier board can be removed.

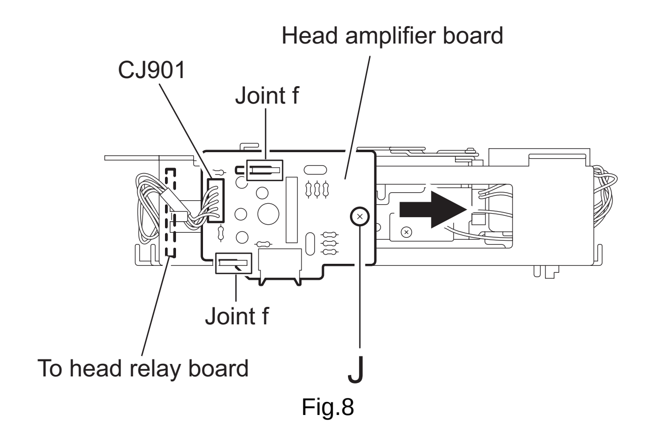


Fig.8

2.1.9 Removing the relay board (See Fig.9)

- Prior to performing the following procedure, remove the front panel assembly, bottom cover, front chassis, heat sink, rear panel, main board and cassette mechanism assembly.
  (1) Disconnect the wire from CP722 on the relay board.
  (2) Remove the screw **K** attaching the relay board.
  (3) Move the relay board in the direction of the arrow to release the joint **g**, the relay board can be removed.

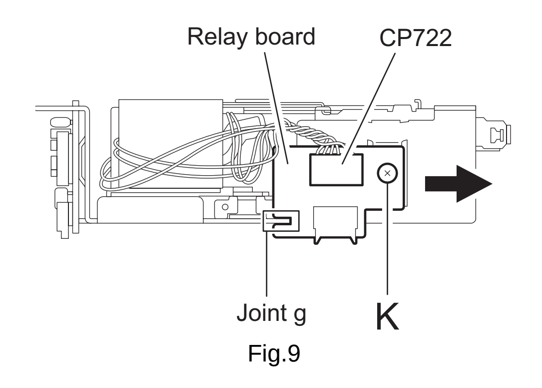


Fig.9

2.1.10 Removing the mecha bracket (See Fig.10)

- Prior to performing the following procedure, remove the front panel assembly, bottom cover, front chassis, heat sink, rear panel, main board, cassette mechanism assembly, head amplifier board and relay board.
  (1) Remove the four screws **L** attaching the mecha bracket.

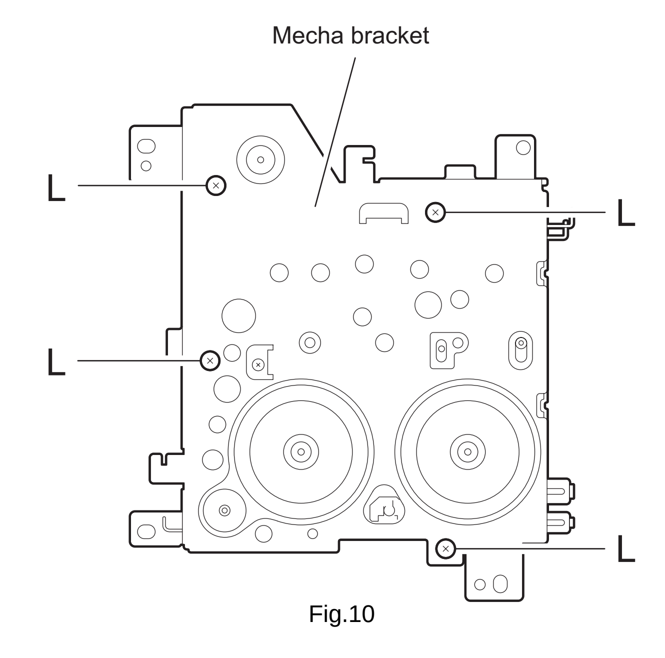
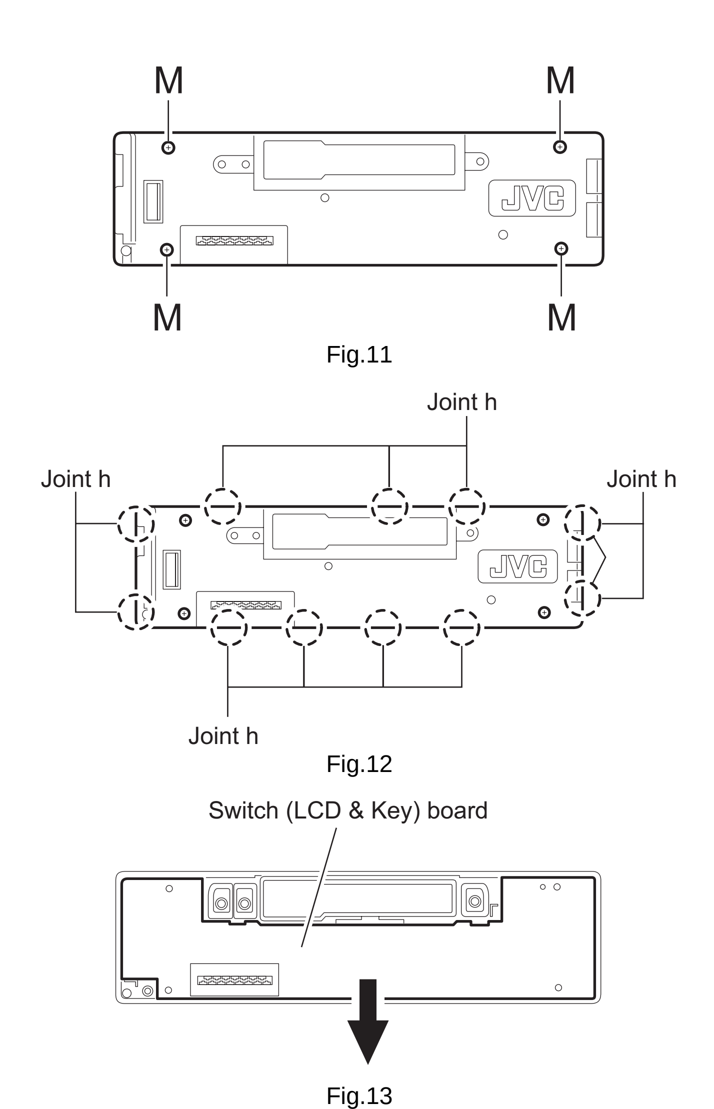


Fig.10

2.1.11 Removing the switch (LCD & key) board (See Fig.11~13)

- Prior to performing the following procedure, remove the front panel assembly.
  (1) Remove the four screws **M** attaching the rear cover on the back of the front panel assembly.
  (2) Release the eleven joints **h**, the front panel and the rear cover become separate.
  (3) Remove the switch board from the rear cover.



2.2 Cassette mechanism assembly

- Prior to performing the following procedures, remove the head amplifier board, the relay board and the mechanism bracket.

2.2.1 Removing the direction switch board (See Fig.1)

(1) Unsolder the three wires **a** on the direction switch board.
(2) Remove the one screw **A** attaching the direction switch board.

2.2.2 Removing the FF / REW lever assembly (See Fig.1)

(1) Remove the screw **B** attaching the FF / REW lever assembly on the back of the cassette mechanism assembly.
(2) Remove the screw **C** on the upper side of the FF / REW lever assembly.
(3) Lift and pull forward the FF / REW lever assembly to disengage the joints **b**, **c**, **d** and **e**.

2.2.3 Reattaching the FF / REW lever assembly (See Fig.1)

(1) Reattach the FF / REW lever assembly to the joint **c** on the back of the chassis.
(2) Reattach the pinch-roller shaft **e**, the change lever **d** and the return link **e** to the chassis.

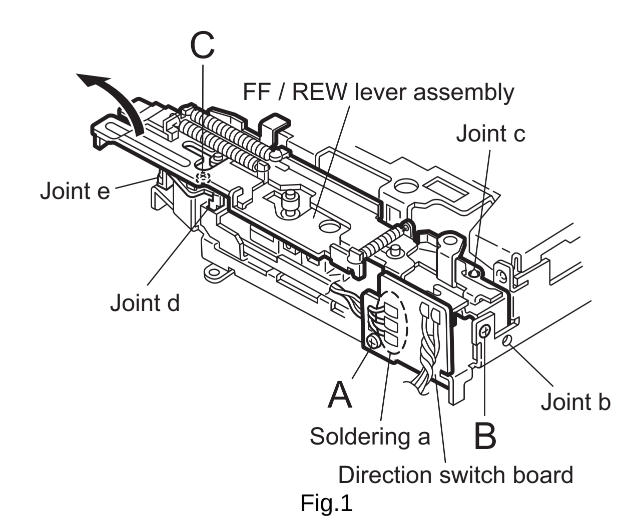


Fig.1

2.2.4 Removing the playback head (See Fig.2)

- Prior to performing the following procedure, remove the direction switch board and the FF / REW lever assembly.

(1) Remove the screw **D** attaching the playback head.
(2) Remove the **C** washer and pull out the FF roller.
(3) Remove the **S** support plate, the A arm spring **(a)** and **(b)**, the playback head.

ATTENTION:
The A arm spring **(a)** differs from the A arm spring **(b)**.

2.2.5 Removing the pinch-roller (R) and (F) assembly (See Fig.2)

- Prior to performing the following procedure, remove the direction switch board and the FF / REW lever assembly.

(1) Remove the P arm spring **(f)** in the pinch-roller **(F)** assembly from the chassis.
(2) Remove the P arm spring **(r)** in the pinch-roller **(R)** assembly from the chassis.
(3) Draw out the pinch roller **(F)** and **(R)** assembly from the shaft.

ATTENTION:
The P arm spring **(f)** differs from the P arm spring **(r)**.

ATTENTION:
The pinch roller **(F)** assembly differs from the pinch roller **(R)** assembly.

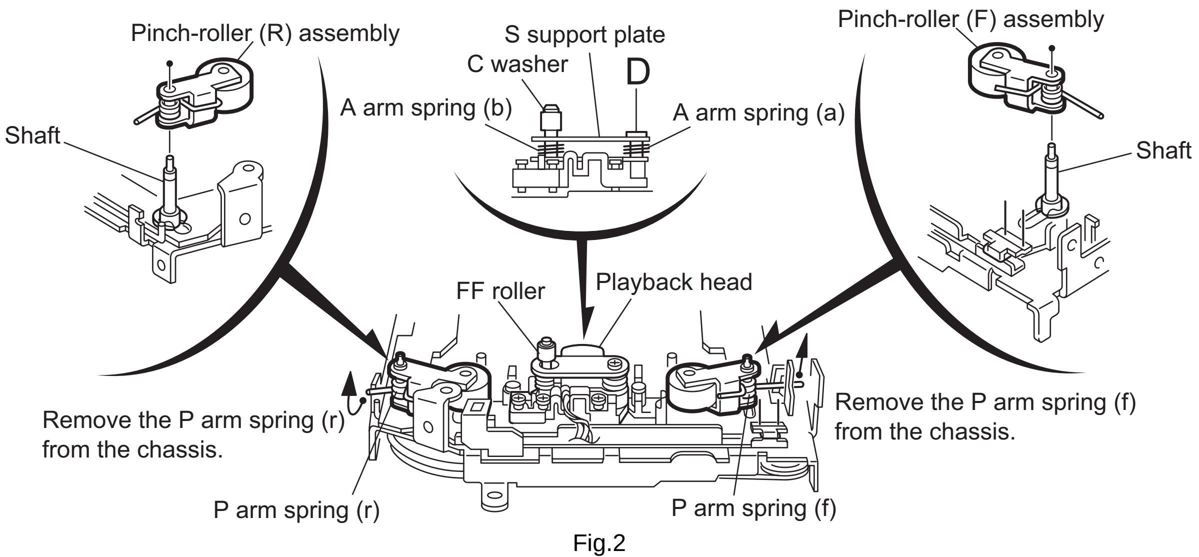


Fig.2

2.2.6 Removing the cassette hanger / cassette holder (See Fig.3)

- Prior to performing the following procedure, remove the FF / REW lever assembly.
  (1) From the rear of the unit, bend the two tabs **f** outwards and disengage the two joints **g** in the direction of the arrow.
  (2) Push the eject lever and remove the cassette holder from the playback head. Disengage the two joints **h** of the cassette hanger / cassette holder and the eject lever in the direction of the arrow.
  (3) Lift the cassette hanger / cassette holder and disengage the joint i of the return link and the eject lever.

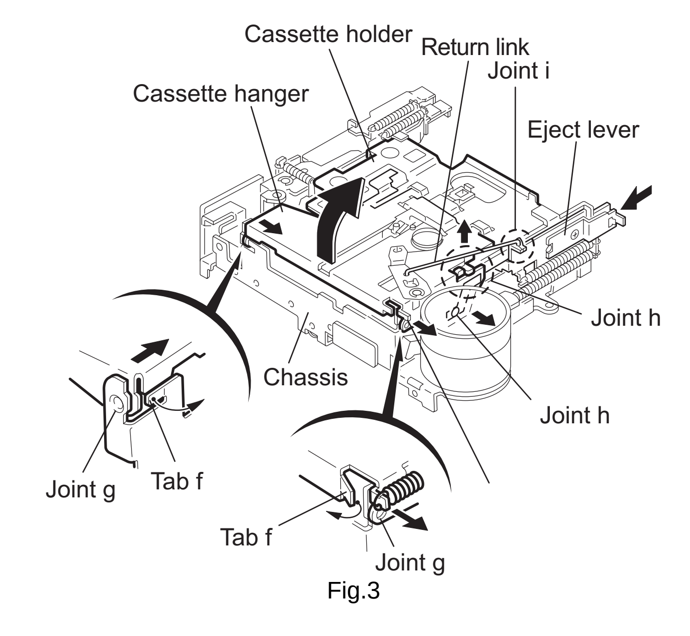


Fig.3

2.2.7 Removing the reel disc assembly (See Fig.4)

- Prior to performing the following procedure, remove the FF / REW lever assembly and the cassette hanger / cassette holder.
  (1) Remove the C washer and pull out reel disc assembly.

ATTENTION:
Replace with a new C washer when reattaching.

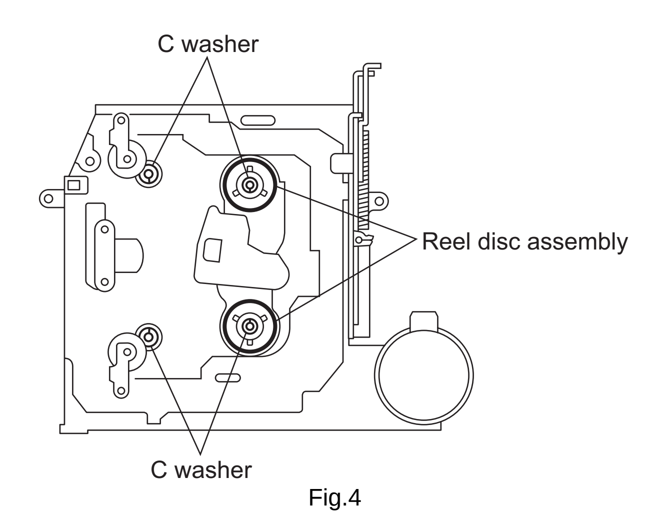


Fig.4

2.2.8 Removing the motor assembly (See Fig.5)

(1) Unsolder the two wires **j** on the motor assembly.
(2) Turn over the cassette mechanism assembly and remove the main belt and the sub-belt from the motor pulley.

ATTENTION:
The main belt can now be removed.

(3) Remove the two screws **G** attaching the motor assembly.

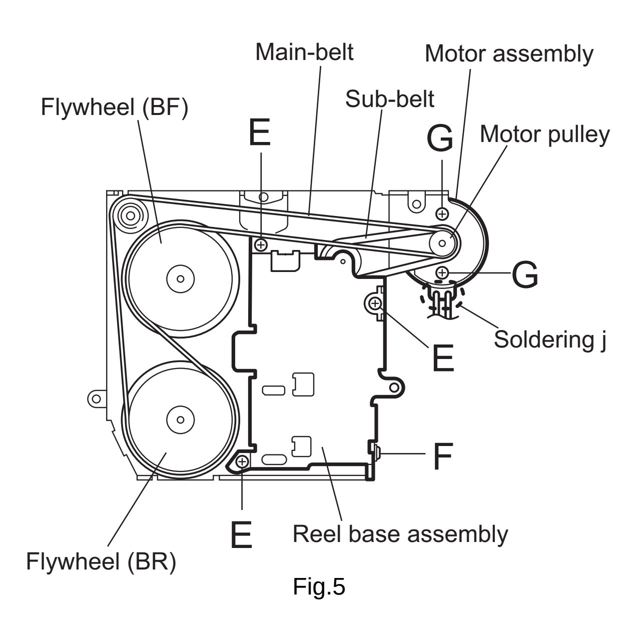


Fig.5

2.2.9 Removing the Flywheel (BF) and (BR) assembly (See Fig.4 and 5)

- Prior to performing the following procedure, remove the cassette hanger / cassette holder.
  (1) From the upper side of the cassette mechanism assembly, remove the C washer from each shaft of the flywheel **(BF)** and **(BR)**.
  (2) Turn over the cassette mechanism assembly and remove the main belt. Pull out the flywheel **(BF)** and **(BR)** downward respectively.

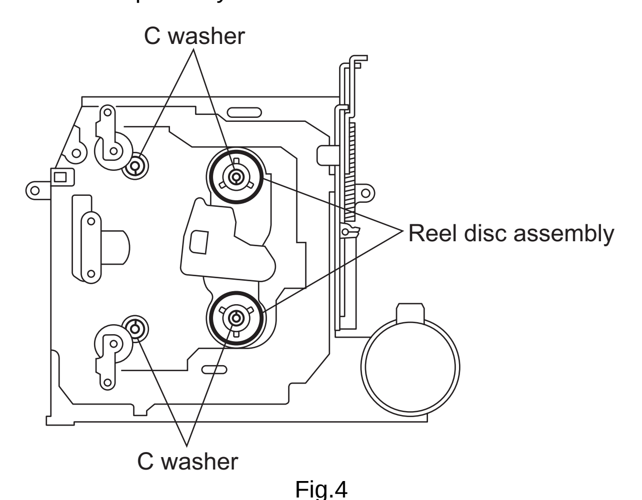


Fig.4

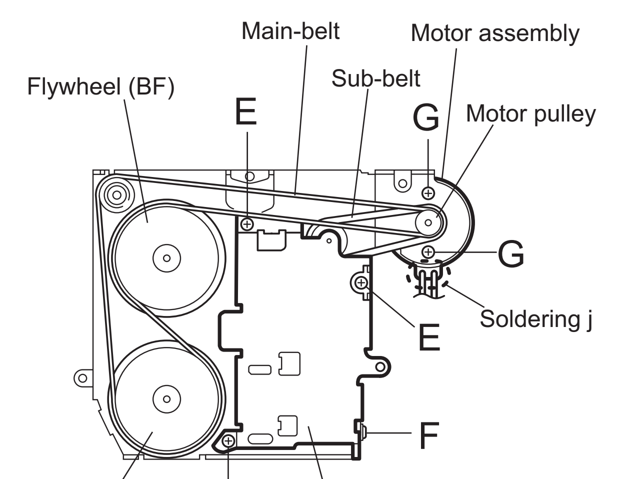


Fig.5

2.2.10 Removing the reel base assembly (See Fig.5 and 6)

(1) Raise the part **k** of the reel base assembly slightly and remove the selector link **(B)** on the front side of the cassette mechanism assembly by turning it as shown in Fig.6.
(2) Remove the three screws **E** and the one screw **F** on the underside of the cassette mechanism assembly.

ATTENTION:
The reel base assembly is not repairable. Handle with care.

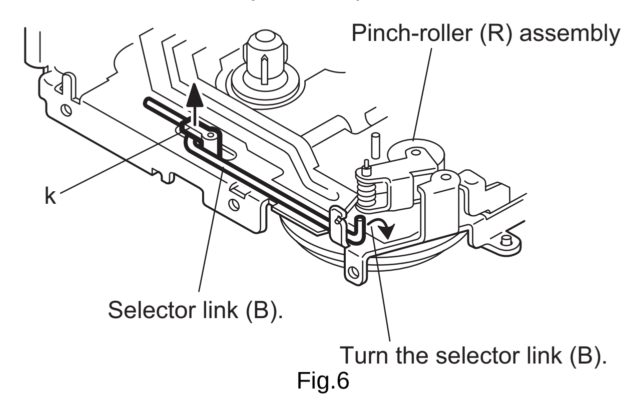


Fig.6

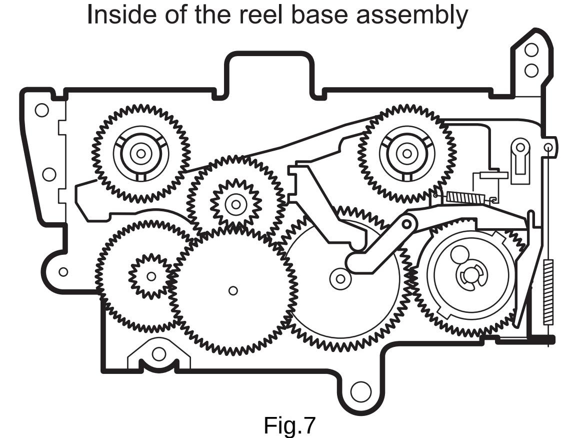


Fig.7

2.2.11 Removing the mute switch board (See Fig.8)

(1) Unsolder the two wires **l** on the mute switch board on the back of the cassette mechanism assembly.
(2) Remove the screw **H** attaching the mute switch board.

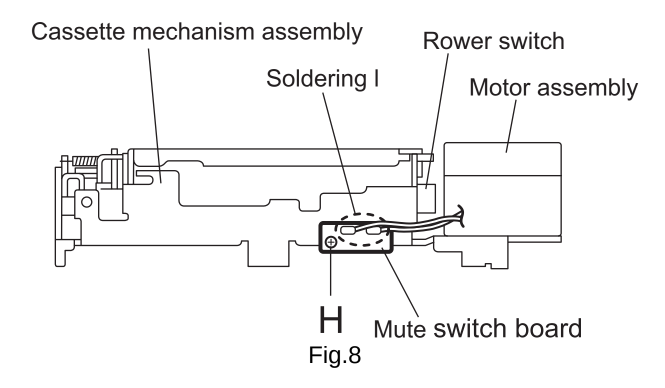


Fig.8

2.2.12 Removing the power switch (See Fig.9)

- Prior to performing the following procedure, remove the motor assembly.

(1) Unsolder the two wires **m** on the power switch on the side of the cassette mechanism assembly.
(2) Remove the screw **I** attaching the power switch.

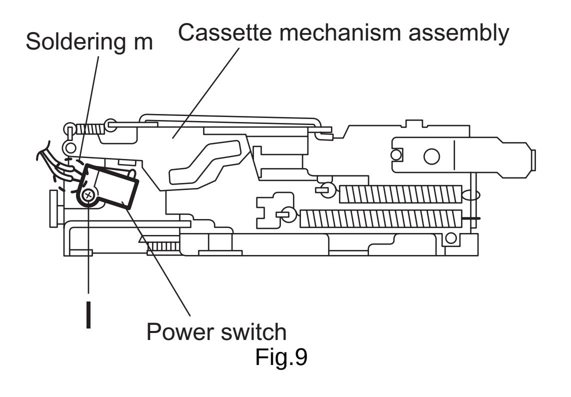


Fig.9

SECTION 3
Adjustment method

■Test instruments reqired for adjustment

1. Digital oscilloscoe(100MHz)
2. Frequency counter meter
3. Electric voltmeter
4. Wow & flutter meter
5. Test tapes
   VT724.......................for DOLBY level measurement
   VT739............For playback frequency measurement
   VT712....For wow flutter & tape speed measurement
   VT703.....................For head azimuth measurement
6. Torque gauge...................Cassette type for CTG-N
   (Mechanism adjustment)

■Standard volume position

Balance and Bass, Treble volume, Fader
:Center(Indication"0")
Loudness, Dolby NR, Sound, Cruise: Off
Volume position is about 2V at speaker output with following conditions, Playback the test tape VT721.

AM mode	999kHz/62dB, INT/400Hz,30% modulation signal on recieving.
FM mono mode	97.9MHz/66dB, INT/400Hz, 22.5kHz deviation pilot off mono
FM stereo mode	1kHz, 67.5kHz dev.pilot 7.5kHz dev
Output level	0dB(1μV,50Ω /open terminal)

■Measuring conditions(Amplifier section)

Power supply voltage.............. DC14.4V(11V - 16V allowance)
Load impedance............ 4Ω (4Ωto 8Ω allowance)
Line out level/Impedance.............1.0V/20kΩload (250 nWb/m)

■Frequency band

Band	FM: 87.5 MHz to 108.0 MHz
	AM : (MW) 522 kHz to 1620 kHz (LW) 144 kHz to 279 kHz

■Information for using a car audio service jig

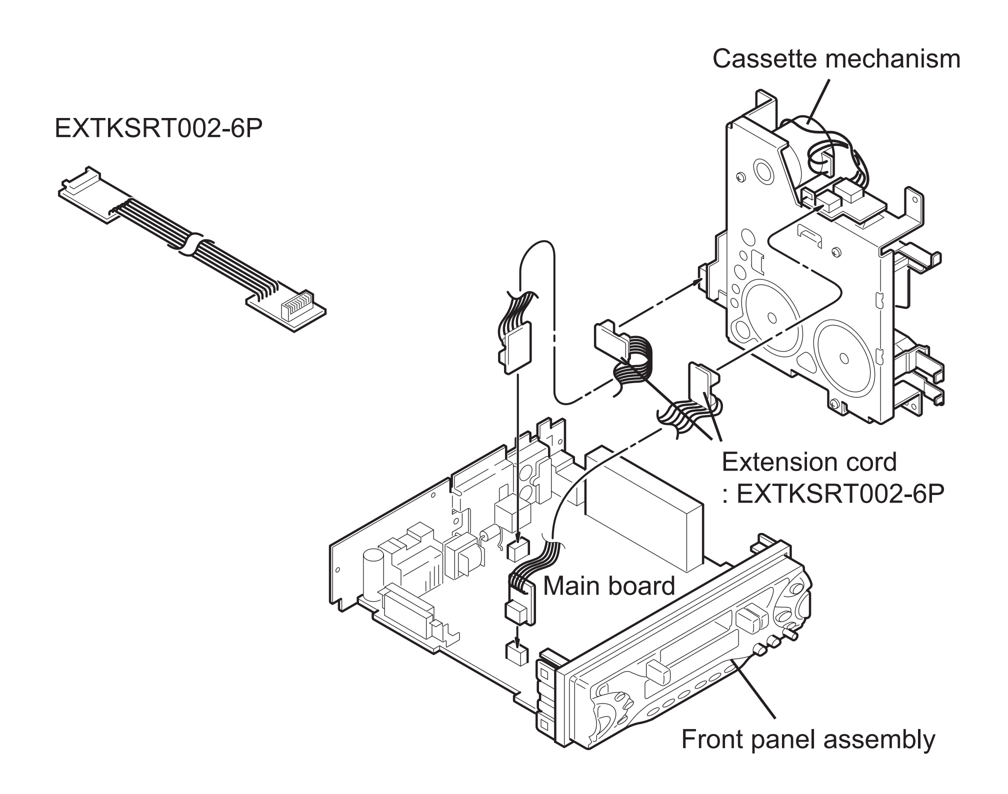
1. For 1995 and 1996, we're advancing efforts to make our extension cords common for all car audio products. Please use this type of extension cord as follows.
2. As a U-shape type top cover is employed, this type of extension cord is needed to check operation of the mechanism assembly after disassembly.
3. Extension cord : EXTKSRT002-6P (6 pin extension cord) For connection between mechanism assembly and main board.
4. Check for mechanism driving section such as motor ,etc..

■Disassembly method

1. Remove the front panel assembly.
2. Remove the bottom cover.
3. Remove the front chassis.
4. Remove the two screws D of the rear panel. (Refer to Disassembly method.)
5. Remove the heat sink.
6. Reattach the heat sink with two screws B. (Refer to Disassembly method.)
7. Install the front chassis and front panel assmbly.
8. Confirm that current is being carried by connecting an extension cord jig.

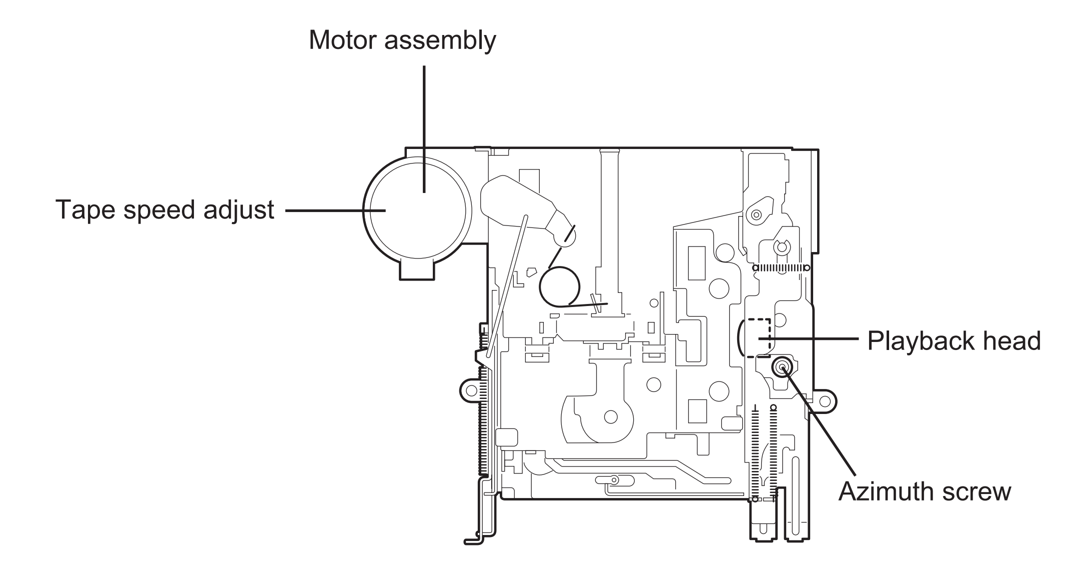
Note
Available to connect to the CJ701 connector when installing the front panel.

CAUTION :
Be sure to attach a heat sink on the power amplifier IC of a main board when supplying the power.
If voltage is applied without attaching the heat sink, the power amplifier IC will be destroyed by heat.

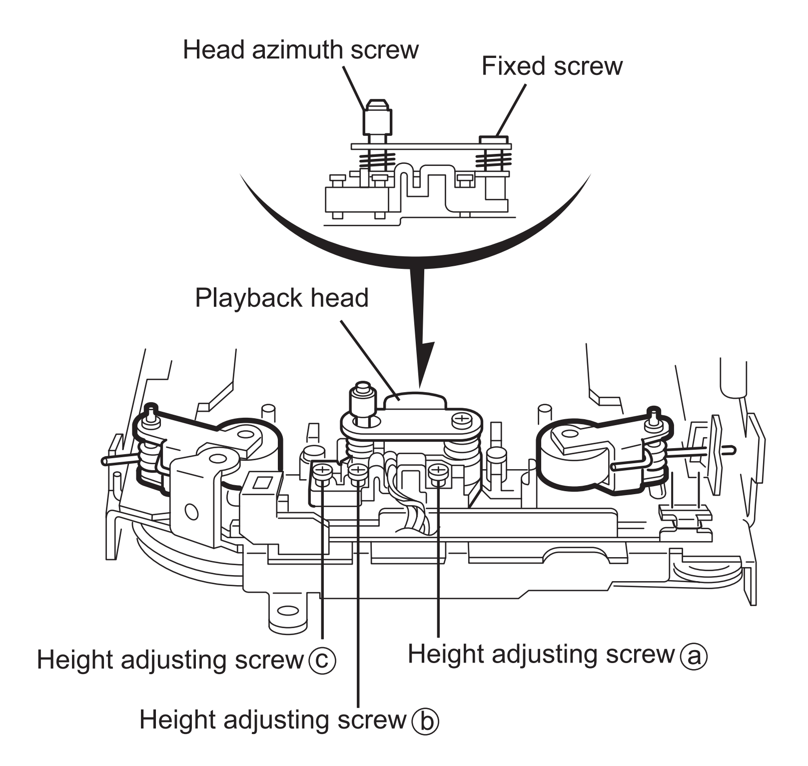


■Arrangement of adjusting & test points

Cassette mechanism
(Surface)



Head section view



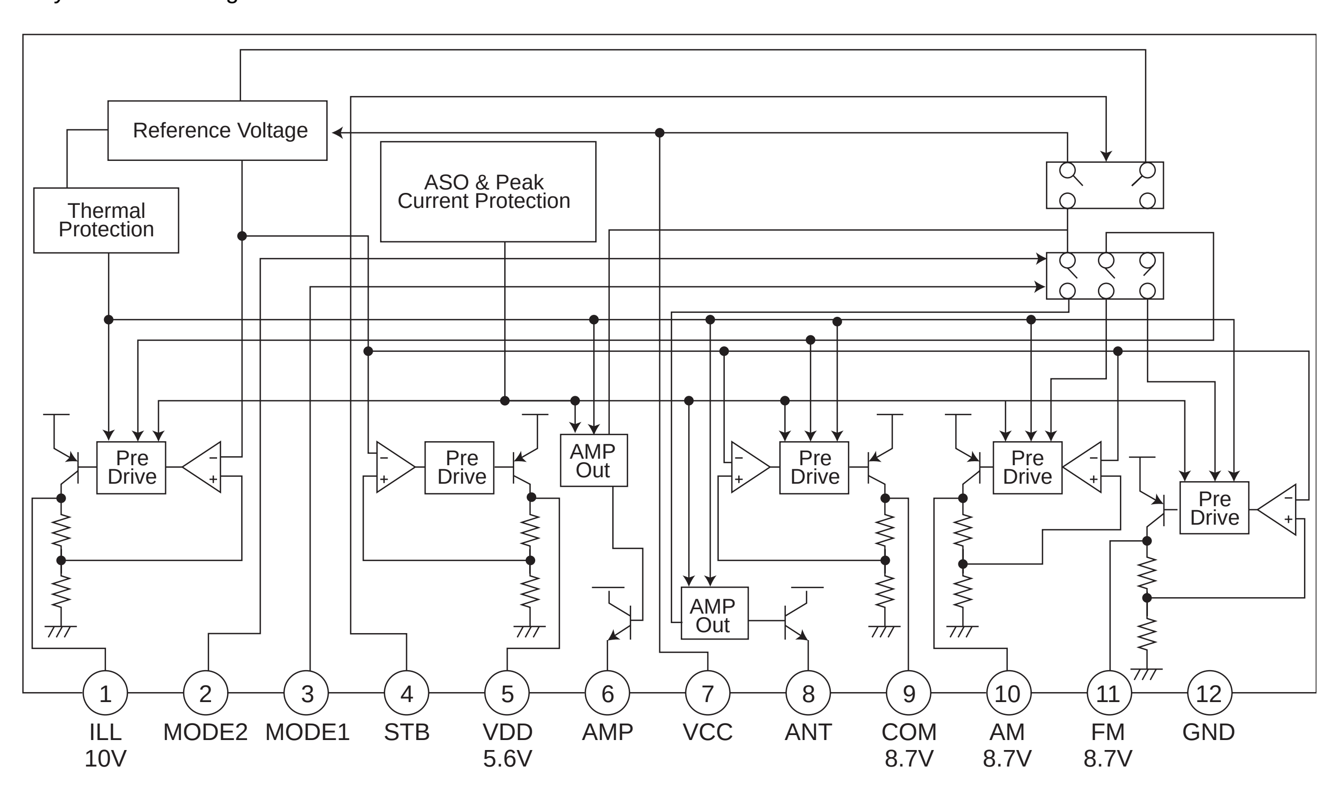
■ Mechanism adjustment section

Item	Adjusting & Confirmation Methods	Adjust	Std. Value
1.Head azimuth	"Head Height Adjustment" Note Adjust the azimuth directly. When you adjust the height using a mirror tape, remove the cassette housing from the mechanism chassis. After installing the cassette housing, perform the azimuth adjustment. 1. Load the mirror tape (SCC-1659). Adjust with height adjustment screw (a) and azimuth adjustment screw (b) so that line "A" of the mirror tape runs in the center between Lch and Rch in the reverse play mode. 2. After switching from REV to FWD then to REV, check that the head position set in procedure "1" is not changed. *If the position has shifted, adjust again and check. 3. Adjust the azimuth screw (b) so that line "B" of the mirror tape runs in the center between Lch and Rch in the forward play mode. "Head Azimuth Adjustment" 1. Load the test tape (VT724: 1kHz) and play it back in the reverse play mode. set the Rch output level to maximum. 2. Load the test tape (VT703: 10kHz) and play it back in the forward play mode. Adjust the Rch and Lch output levels to maximum, with azimuth adjustment screw (b). In this case, the phase difference should be within 45°. 3. Engage the reverse mode and adjust the output level to maximum, with azimuth adjustment screw (c). *The phase difference should be 45° or more. 4. When switching between forward and reverse modes, the difference between channels should be within 3dB. *Between FWD Lch and Rch, REV Lch and Rch. 5. When the test tape (VT721: 315Hz) is played back, the level difference between channels should be within 1.5dB.	A Line Head shield *The head is at low position during FWD.* B Line Head shield *The head is at height position during REV.* Head azimuth screw Fixed screw screw (c) screw (a) screw (b) 0° Phase 45°	
2.Tape Speed and Wow & Flutter	1. Check to see if the reading of the frequency counter & Wow flutter meter is within 2940-3090 Hz (FWD/REV), and less than 0.35% (JIS RMS). 2. In case of out of specification, adjust the motor with a built-in volume resistor	Built-in volume resistor	Tape Speed 2940-3090Hz Wow&Flutter Less than 0.35% (JIS RMS)
3.Playback Frequency response	1. Play the test tape (VT724: 1kHz) back and set the volume position at 2V 2. Play the test tape (VT739) back and confirm 0 ± 3dB at1kHz/8kHz and -4+2dB at 1kHz/125Hz. 3. When 8kHz is out of specification, it will be necessary to readjust the azimuth.		Speaker out 1kHz/8kHz : 0dB_}3dB, 125Hz/1kHz : -4dB+2dB,

SECTION 4
Description of major ICs

4.1 AN80T05LF (IC961) : Regulator

• Pin layout & Block diagram

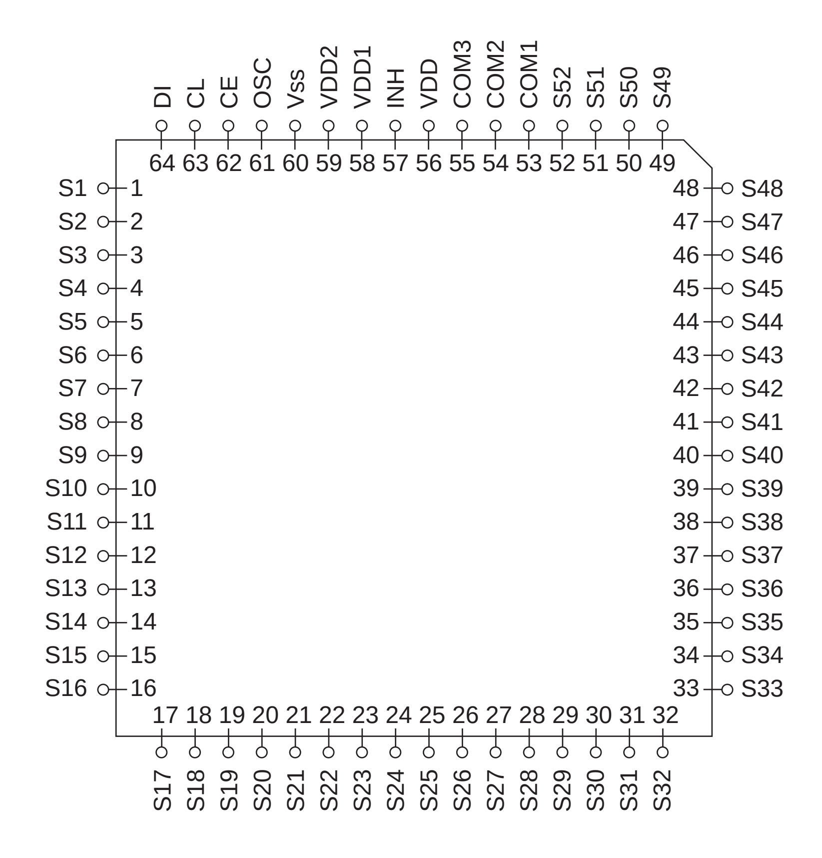


• Pin function

Pin No.	Symbol	Function
1	ILL	10V power supply for illumination.
2	MODE2	When 5V is input, becomes AM. and the antenna output is turned on.
3	MODE1	When 5V is input, becomes AM. and the output of FM is switched.
4	STB	When 5V is input, outputs to ILL, COM, and AMP. It is 0V usually.
5	VDD	5.6V power supply.
6	AMP	Power supply supply to remote amplifier
7	VCC	Back up. connects with ACC with it.
8	ANT	Power supply supply to auto antenna.
9	COM	8.7V power supply.
10	AM	The power supply of 8.7V to AM.
11	FM	The power supply of 8.7V to FM.
12	GND	Ground

4.2 LC75823W (IC651) : LCD driver

- Pin Layout

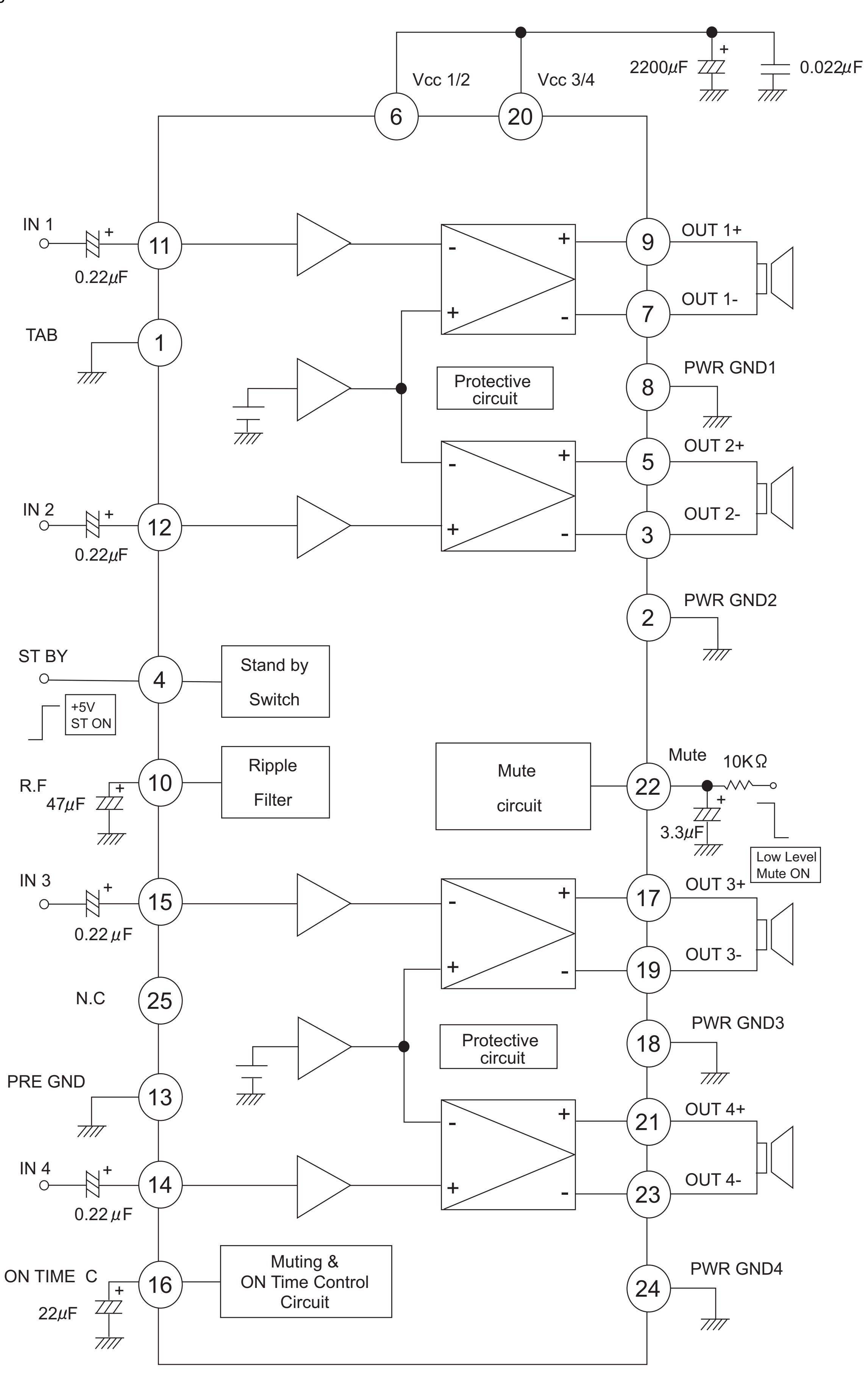


- Pin function

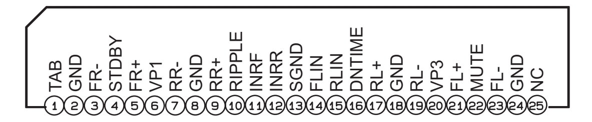
Pin No.	Symbol	I/O	Functions
1 to 52	S1 to S52	O	Segment output pins used to display data transferred by serial data input.
53 to 55	COM1 to COM3	O	Common driver output pins. The frame frequency is given by : t0=(fosc/384)Hz.
56	VDD	--	Power supply connection. Provide a voltage of between 4.5 and 6.0V.
57	$\overline{\text{INH}}$	I	Display turning off input pin. $\overline{\text{INT}}$="L" (Vss) ----- off (S1 to S52, COM1 to COM3="L" $\overline{\text{INT}}$="H" (VDD)----- on Serial data can be transferred in display off mode.
58	VDD1	I	Used for applying the LCD drive 2/3 bias voltage externally. Must be connected to VDD2 when a 1/2 bias drive scheme is used.
59	VDD2	I	Used for applying the LCD drive 1/3 bias voltage externally. Must be connected to VDD1 when a 1/2 bias drive scheme is used.
60	Vss	--	Power supply connection. Connect to GND.
61	OSC	I/O	Oscillator connection. An oscillator circuit is formed by connecting an external resistor and capacitor at this pin.
62	CE	I	Serial data interface connection to the controller. CE : Chip enable
63	CL	I	Serial data interface connection to the controller. CL : Sync clock
64	DI	I	Serial data interface connection to the controller. DI : Transfer data

4.3 LA4743K (IC941) : Power amp.

- Block diagram



- Pin layout

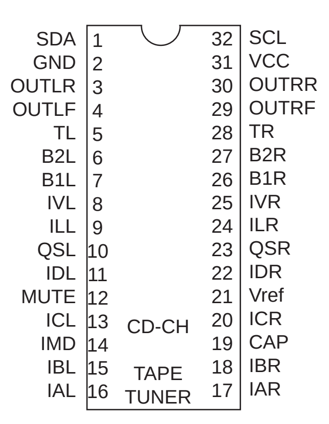


- Pin function

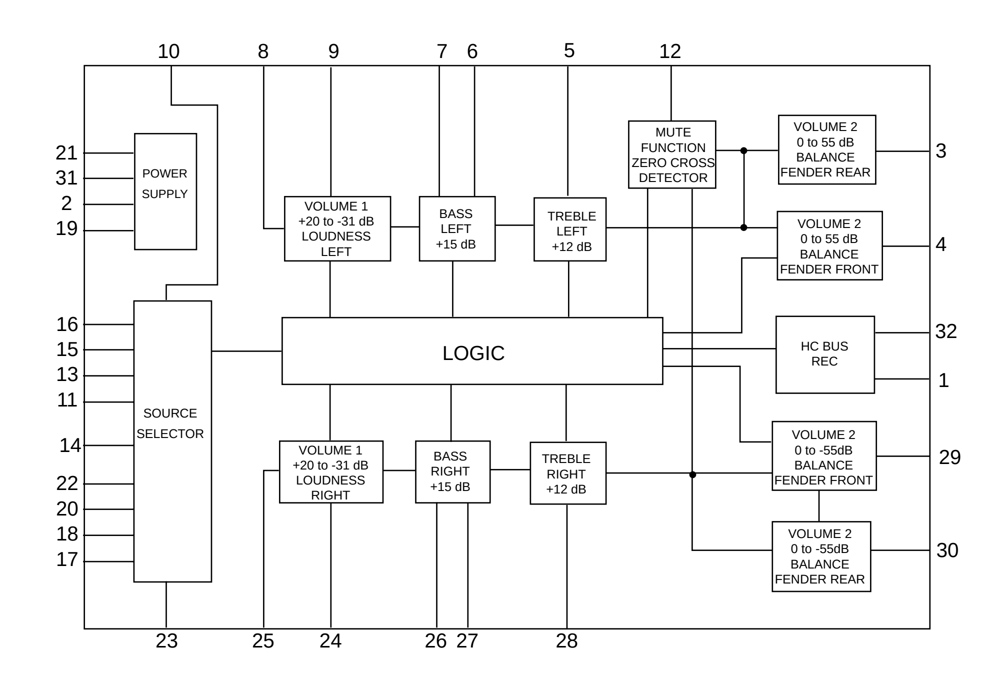
Pin No.	Symbol	Function
1	TAB	Header of IC
2	GND	Power GND
3	FR-	Outpur(-) for front Rch
4	STDBY	Stand by input
5	FR+	Output (+) for front Rch
6	VP1	Power input
7	RR-	Output (-) for rear Rch
8	GND	Power GND
9	RR+	Output (+) for rear Rch
10	RIPPLE	Ripple filter
11	RRIN	Rear Rch input
12	FRIN	Front Rch input
13	SGND	Signal GND
14	FLIN	Front Lch input
15	RLIN	Rear Lch input
16	ONTIME	Power on time control
17	RL+	Output (+) for rear Lch
18	GND	Power GND
19	RL-	Output (-) for rear Lch
20	VP3	Power input
21	FL+	Output (+) for front
22	MUTE	Muting control input
23	FL-	Output (-) for front
24	GND	Power GND
25	NC	Non connection

4.4 TEA6320T-X (IC911) : E.volume

- Pin layout



- Block diagram

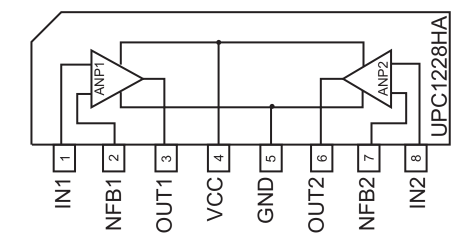


- Pin functions

Pin No.	Symbol	I/O	Functions
1	SDA	I/O	Serial data input/output.
2	GND	-	Ground.
3	OUTLR	O	output left rear.
4	OUTLF	O	output left front.
5	TL	I	Treble control capacitor left channel or input from an external equalizer.
6	B2L	-	Bass control capacitor left channel or output to an external equalizer.
7	B1L	-	Bass control capacitor left channel.
8	IVL	I	Input volume 1. left control part.
9	ILL	I	Input loudness. left control part.
10	QSL	O	Output source selector. left channel.
11	IDL	-	Not used
12	MUTE	-	Not used
13	ICL	I	Input C left source.
14	IMO	-	Not used
15	IBL	I	Input B left source.
16	IAL	I	Input A left source.
17	IAR	I	Input A right source.
18	IBR	I	Input B right source.
19	CAP	-	Electronic filtering for supply.
20	ICR	I	Input C right source.
21	Vref	-	Reference voltage (0.5Vcc)
22	IDR	-	Not used
23	QSR	O	Output source selector right channel.
24	ILR	I	Input loudness right channel.
25	IVR	I	Input volume 1. right control part.
26	B1R	-	Bass control capacitor right channel
27	B2R	O	Bass control capacitor right channel or output to an external equalizer.
28	TR	I	Treble control capacitor right channel or input from an external equalizer.
29	OUTRF	O	Output right front.
30	OUTRR	O	Output right rear.
31	Vcc	-	Supply voltage.
32	SCL	I	Serial clock input.

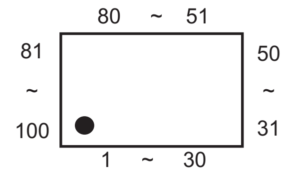
4.5 UPC1228HA (IC901) : Head amp

- Pin layout & Block diagram



4.6 UPD178078GF-595 (IC701): System CPU

- Pin Layout



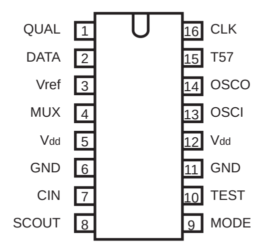
- Pin function

Pin No.	Symbol	I/O	Function
1	PS1	I	Power save 1
2	PS2	I	Power save 2
3~6	NC	-	No use
7	J-BUS I/O	I/O	J-BUS communication I/O port
8	J-BUS IN	I	J-BUS communication input
9	J-BUS OUT	O	J-BUS communication output
10	J-BUS SCK	O	J-BUS serial clock output
11	NC	-	No use
12	I2CDAO	O	Serial data output
13	I2C3CK	O	Serial clock output
14,15	NC	-	No use
16	F/R	O	Forward/Reverse selection
17~22	NC	-	No use
23	LEVEL	I	Audio level input
24	SM	I	Signal level meter input
25	SQ	-	Signal quality input
26	GND	-	GND
27	AVDD	-	Power supply
28	GND	-	GND
29	KEY0	I	Key 0 input
30	KEY1	I	Key 1 input
31	KEY2	I	Key 2 input
32	AVSS	-	GND
33	REGCPU	-	Connect to GND with capacitor
34	VDD	-	Power supply
35	REGOSC	-	Connect to GND witj capacitor
36	X2	-	System clock
37	X1	I	System clock
38	GND0	-	GND
39	SEEK/STOP	O	Switchng SEEK/STOP
40	GND2	-	GND
41	NC	-	No use
42	IFC	I	IF control input
43	VDDPLL	-	Power supply for PLL
44	OSC INPUT	I	FM,AM osc input
45	NO USE	-	No use
46	GNDPLL	-	GND

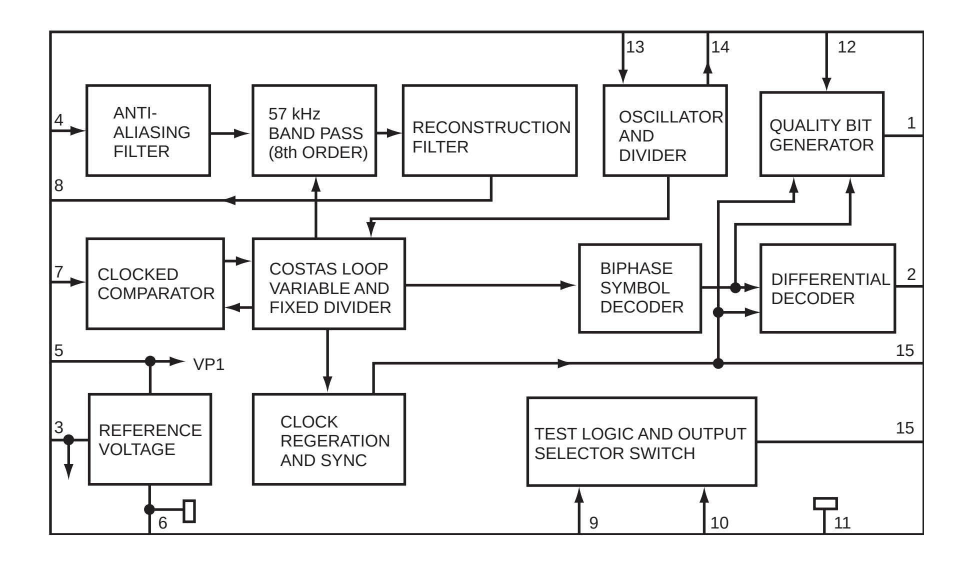
Pin No.	Symbol	I/O	Function
47	AM E0	O	PLL error output for AM
48	FM E0	O	PLL error output for FM
49	IC(VPP)	-	Setting to write for flsh
50	RESET	I	System reset
51	RDS CK	O	Clock output for RDS
52	RDS DA	O	Data ouytput for RDS
53	MONO	O	Mono by power force
54	SD/ST	I	Station detectior/Stereo indicator
55	FM/AM	O	FM / AM band selection
56	AFCK	I	AF check input
57	DETACH	I	Detach signal iunput
58,59	--	-	No use
60	LCD DA	O	LCD data output
61	LCD CLK	O	LCD clock output
62	LCD CE	O	LCD chip enable output
63~68	NC	-	No use
69	RX	-	No use
70	TX	-	No use
71	SEEK2	O	SEEK 2 signal output
72~77	NC	-	No use
78	REMOCON	I	Remocon signal input
79	NC	-	No use
80	J-BUS INT	I	J-BUS interrupt signal input
81	STERRING REMOTE	-	No use
82	GND1	-	GND
83	STAGE1	-	No use
84	STAGE2	-	No use
85	MUTE	O	System mute
86	T MUTE	O	Tape mute signal output
87	TAPE IN	I	Tape in singal input
88	TEL MUTE	O	Telephone mute output
89	UNLOCK	-	No use
80~98	NC	-	No use
99	VDDPORT	-	Vdd
100	GNDPORT	-	Connect to GND

4.7 SAA6579T-X(IC761): RDS detecter

- Pin layout

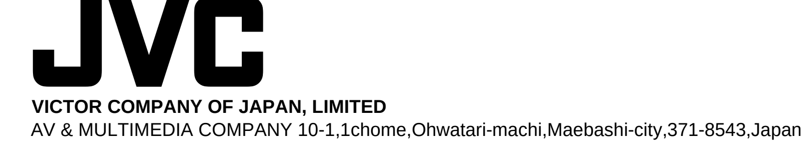


- Block diagram



- Pin function

Pin No.	Symbol	Description
1	QUAL	Quality indication output
2	DATA	RDS data output
3	Vref	Reference voltage output (0.5VDDA)
4	MUX	Multiolex signal input
5	Vdd	+5V supply voltage for analog part
6	GND	Ground for analog part (0V)
7	CIN	Sub carrier input to comparator
8	SCOUT	Sub carrier output of reconstruction filter
9	MODE	Oscillator mode / test control input
10	TEST	Test enable input
11	GND	Ground for digital part (0V)
12	Vdd	+5V supply voltage for digital part
13	OSCI	Oscillator input
14	OSCO	Oscillator output
15	T57	57 kHz clock signal output
16	CLK	RDS clock output



VICTOR COMPANY OF JAPAN, LIMITED
AV & MULTIMEDIA COMPANY 10-1,1chome,Ohwatari-machi,Maebashi-city,371-8543,Japan

(No.49813)

Printed in Japan
200303WPC

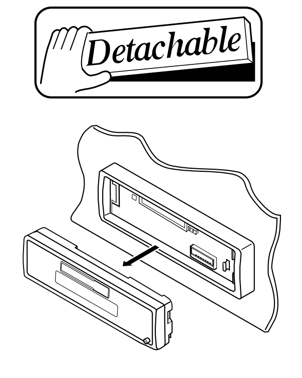
JVC

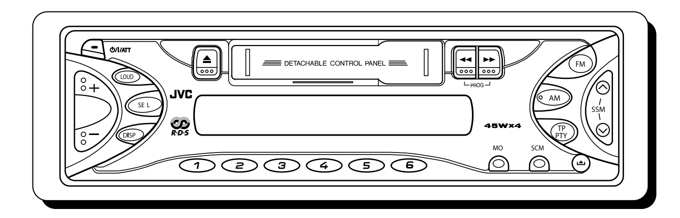
SCHEMATIC DIAGRAMS

CASSETTE RECEIVER

KS-F383R/KS-F380R

CD-ROM No.SML200303







Model	Illumination color
KS-F383R	Amber
KS-F380R	Green

Area Suffix

E -------- Continental Europe
EX ------------ Central Europe

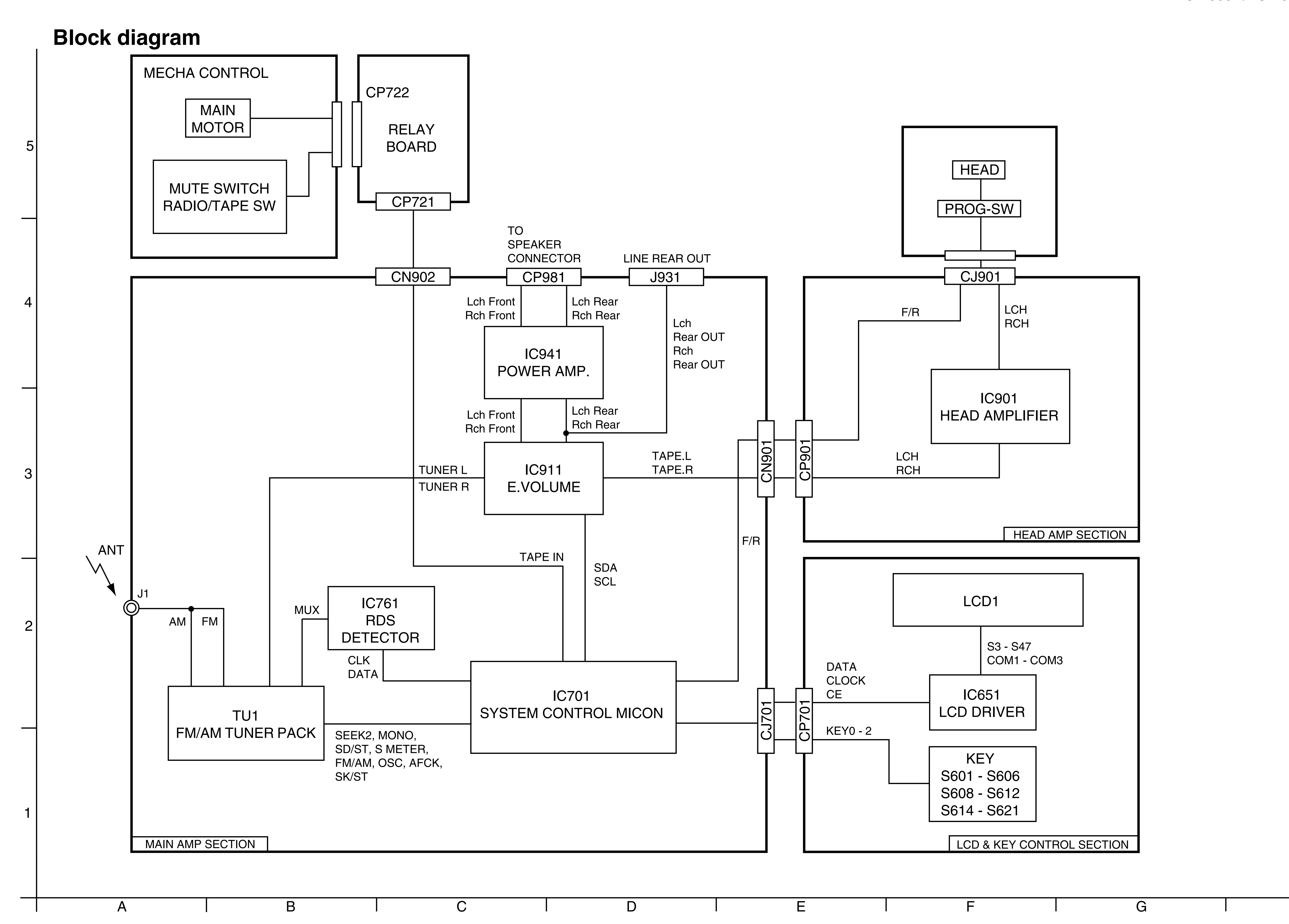
Contents

No.49813SCH
2003/03

Safety precaution

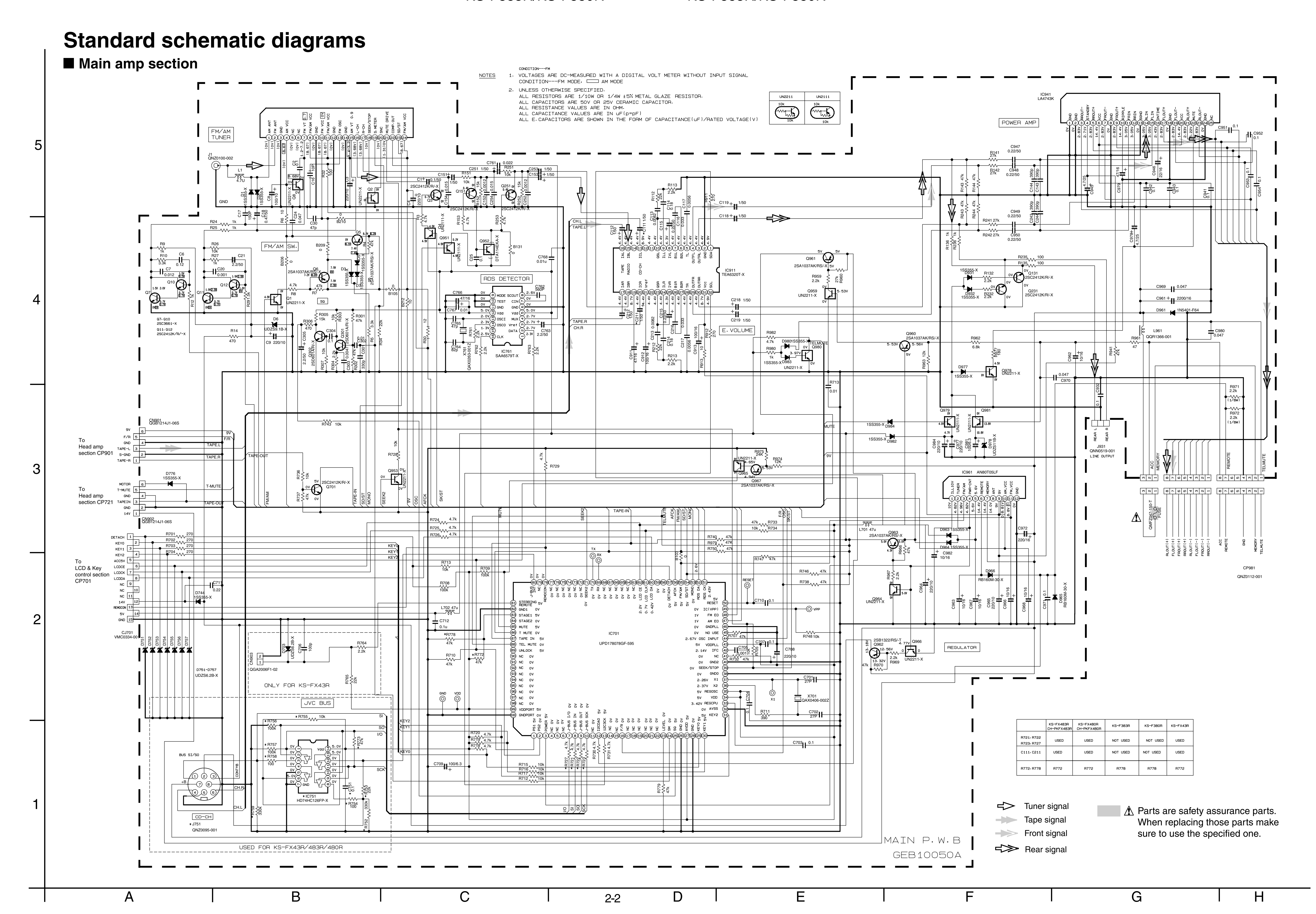
⚠ ***CAUTION*** **Burrs formed during molding may be left over on some parts of the chassis. Therefore, pay attention to such burrs in the case of preforming repair of this system.**

Block diagram



Standard schematic diagrams

■ Main amp section



	KS-FX483R CH-PKFX483R	KS-FX480R CH-PKFX480R	KS-F383R	KS-F380R	KS-FX43R
R721, R722 R723, R727	USED	USED	NOT USED	NOT USED	USED
C111, C211	USED	USED	NOT USED	NOT USED	USED
R772, R778	R772	R772	R778	R778	R772

■ LCD & Key control section

NOTES

1. VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER WITHOUT INPUT SIGNAL.
   CONDITION - - - FM MODE

2. UNLESS OTHERWISE SPECIFIED,
   ALL RESISTORS ARE 1/4W 5% CARBON RESISTOR OR 1/4W, 1/10W 5% METAL GLAZE RESISTOR.
   ALL CAPACITORS ARE 50V CERAMIC CAPACITOR.
   ALL RESISTANCE VALUES ARE IN OHM(Ω).
   ALL CAPACITANCE VALUES ARE IN μF(P=pF).
   ALL E.CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE(μF) / RATED VOLTAGE(V).

	KS-FX480R CH-PKFX480R	KS-FX483R CH-PKFX483R	KS-FX43R	KS-F380R	KS-F383R
PL601, PL603	QLL0152-001	QLL0076-001	QLL0076-001	QLL0152-001	QLL0076-001
D608	SML-310VT/JK/-X	LNJ308G81/1-3/X	SML-310DT/KL/-X	SML-310VT/JK/-X	LNJ308G81/1-3/X
D602-D607 D610-D620	LNJ308G81/1-3/X	SML-310DT/KL/-X	SML-310DT/KL/-X	LNJ308G81/1-3/X	SML-310DT/KL/-X
R636	820	1.2k	1.2k	820	1.2k
R637	1.5K	1.2k	1.2k	1.5k	1.2k
R638, R639	820	1.2k	1.2k	820	1.2k
R640, R641	1.5K	1.5k	1.5k	1.5k	1.2k
R642, R643	820	1.2k	1.2k	820	1.2k
R644	560	1.2k	1.2k	560	1.2k
R645	620	1.2k	1.2k	620	1.2k
R646, R647	820	1.2k	1.2k	820	1.2k
R648	820	1.2k	1.2k	820	1.2k
R649	1.5K	1.2k	1.2k	1.5k	1.2k

To Main amp section CJ 701

VMC0335-001 CP701

QLD0250-001

IC651 LC75823W

IC652 RPM6938-SV4

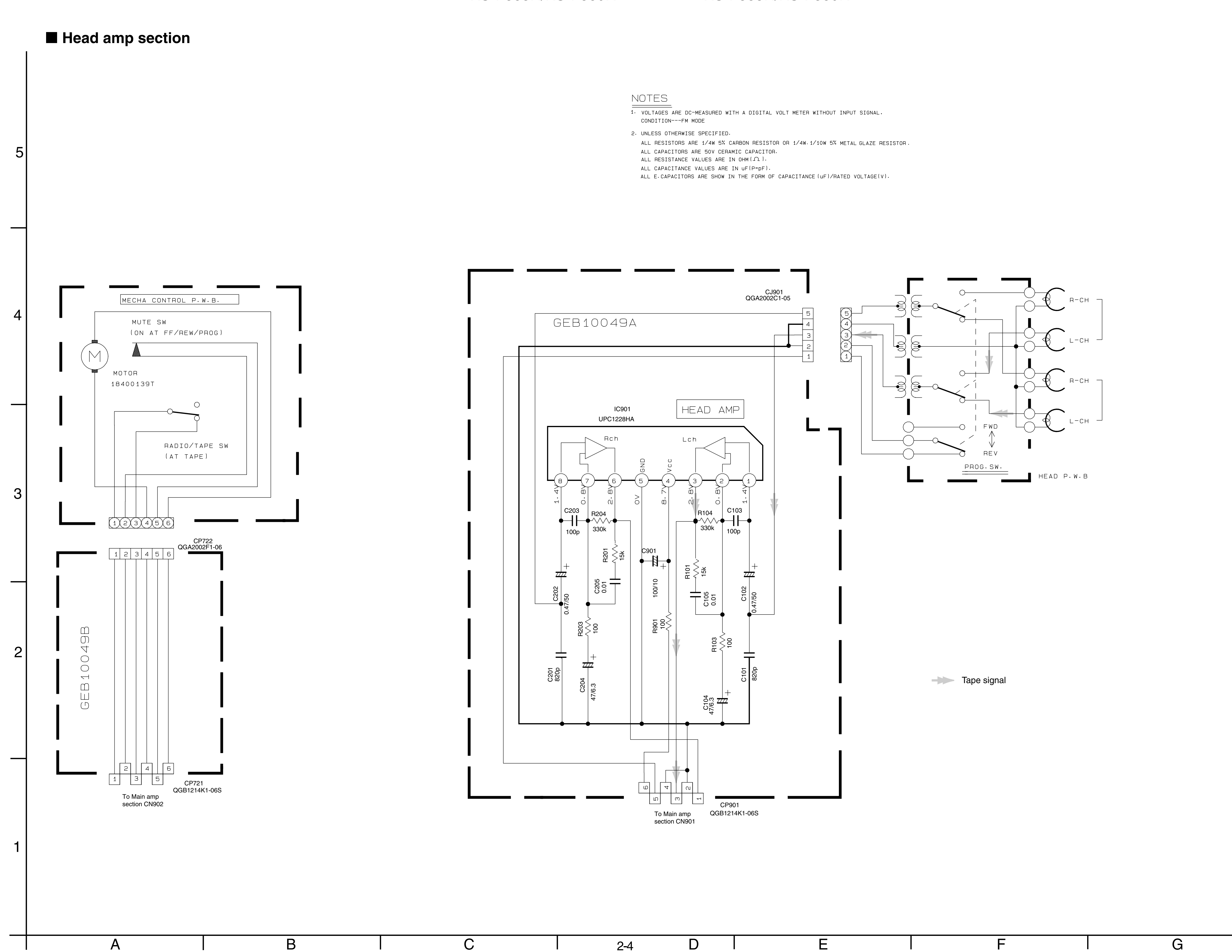
S601-S621:NSW0124-001X

SWITCH PWB : GEB10065A

	KS-FX483R CH-PKFX483R	KS-FX480R CH-PKFX480R	KS-FX43R	KS-F383R	KS-FX380R
D604	CD-CH	CD-CH	CD-CH	TP/PTY	TP/PTY
D607	MO/RND	MO/RND	MO/RND	MO	MO
D616	TP/PTY	TP/PTY	TP/PTY	LOUD	LOUD

	KS-FX483R CH-PKFX483R	KS-FX480R CH-PKFX480R	KS-FX43R	KS-F383R	KS-F380R
* S604	TP/PTY	TP/PTY	TP/PTY	LOUD	LOUD
* S616	MO/RND	MO/RND	MO/RND	MO	MO
* S619	CD-CH	CD-CH	CD-CH	TP/PTY	TP/PTY

■ Head amp section



Printed circuit boards

■ Main board

Reverse side

5

4

3

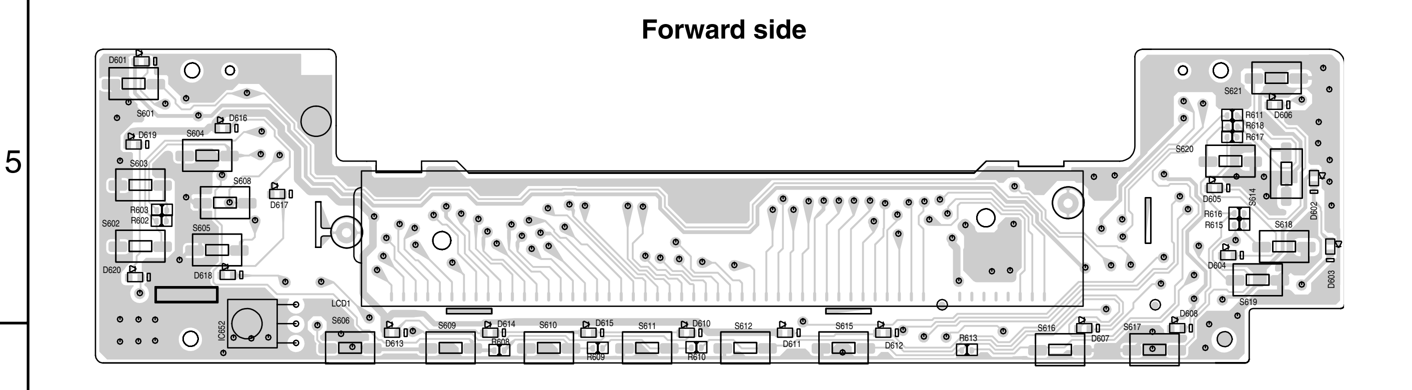
2

1

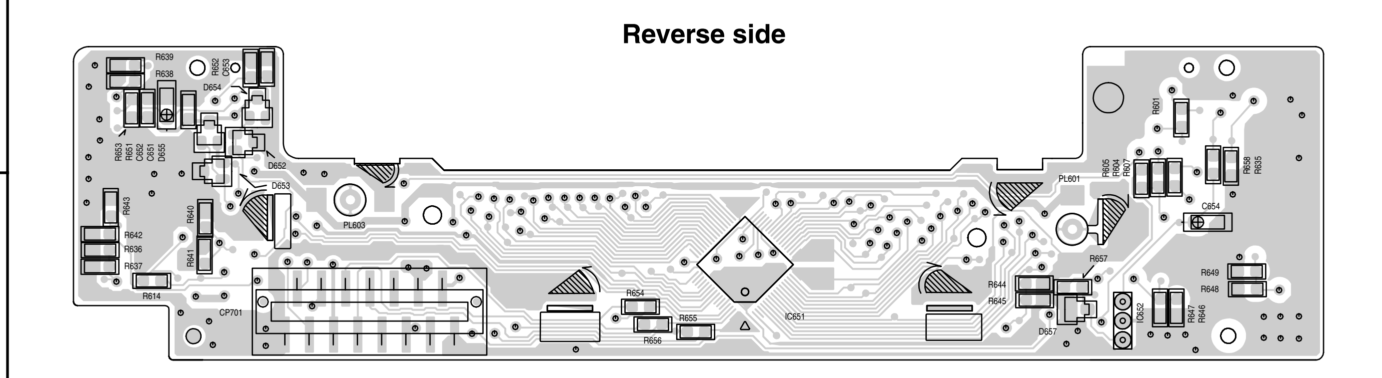
A B C

■ Front board

Forward side



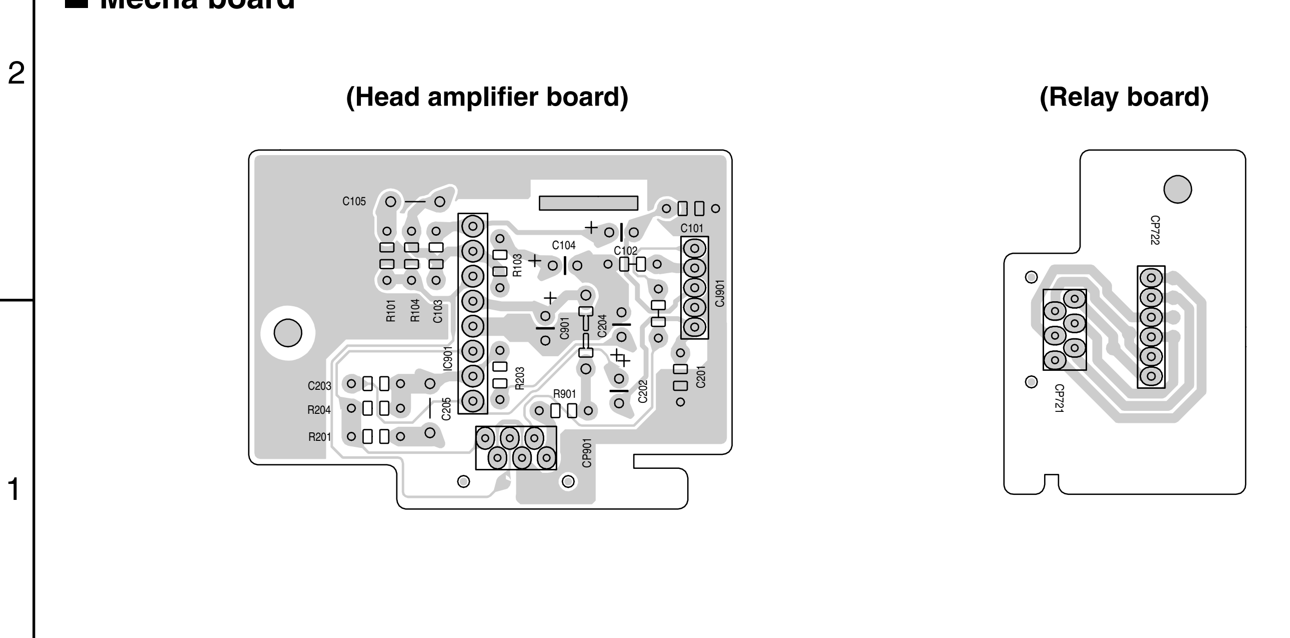
Reverse side



■ Mecha board

(Head amplifier board)

(Relay board)



5
4
3
2
1

A B C D

< MEMO >



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(No.49813SCH)

Printed in Japan
2003/03

PARTS LIST

[KS-F383R]
[KS-F380R]

* All printed circuit boards and its assemblies are not available as service parts.

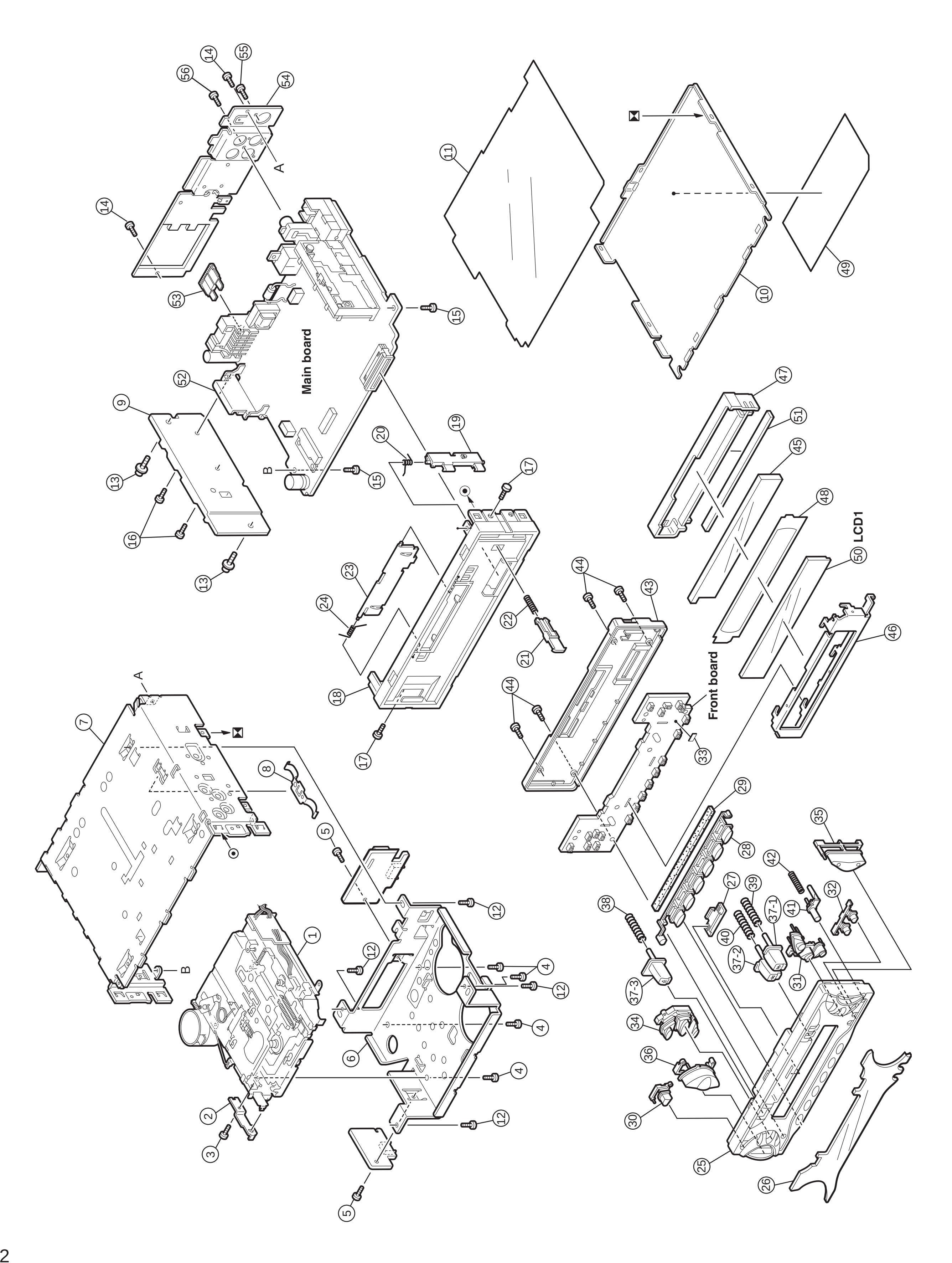
Area suffix

E------------ Continental Europe
EX --------------- Central Europe

- Contents -

Exploded view of general assembly and parts list

Block No. M 1 M M



■ Parts list (General assembly)

Block No. M1MM

⚠	Item	Parts number	Parts name	Q'ty	Description	Area
	1	--------------------	CDS-363SJ1	1		
	2	VKL7821-001	EJECT LEVER	1		
	3	QYSPSPT2625Z	MINI SCREW	1		
	4	QYSDSP2604Z	SCREW	4	MECHA+M.BKT	
	5	QYSDST2605Z	SCREW	2	PCB+MECHA	
	6	GE20134-001A	MECHA BRACKET	1		
	7	GE10043-011A	TOP CHASSIS	1		
	8	GE40135-001A	EARTH PLATE	1		
	9	GE30568-006A	HEAT SINK	1		
	10	GE30393-001A	BOTTOM COVER	1		
	11	FSMA3004-203	INSULATOR	1		
	12	QYSDST2604Z	SCREW	4	CHASSIS+MECHA B	
	13	FSKZ4005-001	SCREW	2	CHASSIS+SIDE PA	
	14	QYSDST2604Z	SCREW	2	CHASSIS+REAR BK	
	15	QYSDST2606Z	SCREW	2	CHASSIS+MAIN PW	
	16	QYSDST2612Z	SCREW	2	SIDE PANEL+IC B	
	17	QYSDST2004M	SCREW	2	T.CHASS+F.CHASS	
	18	GE10053-001A	FRONT CHASSIS	1		
	19	GE30583-001A	LOCK LEVER	1		
	20	FSKW4005-003	TORSION SPRING	1		
	21	FSXP3026-002	RLS KNOB	1		
	22	FSKW3002-004	COMP.SPRING	1		
	23	FSJC3014-002	CASSETTE LID	1		
	24	VKW4947-002	DOOR SPRING	1		
	25	GE10051-001A	FRONT PANEL	1		
	26	GE30584-010A	FINDER ASSY	1	KS-F383R	
		GE30584-011A	FINDER ASSY	1	KS-F380R	
	27	FSJK3014-001	LIGHT LENS	1		
	28	GE20119-001A	PRESET BUTTON	1	1-6	
	29	FSYH4036-077	SHEET	1	PRESET BUTTON	
	30	GE30304-001A	POWER BUTTON	1		
	31	GE20131-041A	D.FUNC BUTTON	1	FM,AM,TP/PTY	
	32	GE30307-001A	SND FUNC BUTTON	1		
	33	FSYH4036-032	SHEET	1		
	34	GE20130-001A	PUSH BUTTON	1	TP/PTV.SEL.DISP	
	35	GE20120-002A	UP/DOWN BUTTON	1		
	36	GE20118-002A	+/- BUTTON	1		
	37- 1	FSXP3066-001	FF BUTTON	1		
	37- 2	FSXP3067-001	REW BUTTON	1		
	37- 3	FSXP3065-001	EJECT BUTTON	1		
	38	FSKW3002-003	COMP. SPRING	1	FOR EJECT BUTTO	
	39	FSKW3002-003	COMP. SPRING	1	FOR FF BUTTON	
	40	FSKW3002-003	COMP. SPRING	1	FOR REW BUTTON	
	41	GE30306-001A	DETACH BUTTON	1		
	42	FSKW3002-012	COMP. SPRING	1	FOR DETACH BUTT	
	43	GE10052-001A	FRONT CHASSIS	1		
	44	VKZ4777-001	MINI SCREW	4	F.PANEL+REAR CO	
	45	FSJK3033-001	L.C.D.LENS	1		
	46	GE30309-002A	L.C.D.CASE	1		
	47	FSKS3020-003	LENS CASE	1		
	48	FSYH4075-004	LIGHTING SHEET	1	KS-F380R	

■ Parts list (General assembly)

Block No. M1MM

⚠	Item	Parts number	Parts name	Q'ty	Description	Area
	48	FSYH4075-003	LIGHTING SHEET	1	KS-F383R	
	49	GE30633-001A	NAME PLATE	1	KS-F383R	
		GE30636-001A	NAME PLATE	1	KS-F380R	
	50	QLD0250-001	LCD MODULE	1		
	51	QNZ0440-001	RUBBER CONNE	1		
	52	GE40136-001A	IC BRACKET	1		
⚠	53	QMFZ047-150-T	FUSE	1		
	54	GE30382-014A	REAR BRACKET	1		
	55	QYSDST2606Z	SCREW	1	REAR BKT+ANT JA	
	56	QYSDSF2606Z	SCREW	1	REAR BKT+PIN JA	

Cassette mechanism assembly and parts list

CDS-363SJ1

Block No. M P M M

■ Parts list (Cassette mechanism)

Block No. MPMM

⚠	Item	Parts number	Parts name	Q'ty	Description	Area
	1	X-0363-1001S	MAIN CHASSIS AS	1		
	2	X-0363-1002S	HEAD PLATE ASSY	1		
	3	X-0363-1004S	FR CONV ARM (A)	1		
	4	X-0363-6001S	REEL BASE ASSY	1		
	5	X-0363-6007S	LEVER BRKT ASSY	1		
	6	X-0363-6003S	TU GEAR ARM ASS	1		
	7	X-0363-6004S	PINCH ARM(R) AS	1		
	8	X-0363-6005S	PINCH ARM(F) AS	1		
	9	X-0363-6006S	DETECTOR CAM AS	2		
	10	X-0363-2005S	REEL SPINDLE AS	2		
	12	X-0363-1019S	EJ.CAM LOCK ASY	1		
	15	1-0363-6010S	FLYWHEEL ASSY F	1		
	16	1-0363-6011S	FLYWHEEL ASSY R	1		
	19	1-0036-1065S	FF LEVER(JVC)	1		
	20	1-0036-1066S	REW LEVER(JVC)	1		
	21	1-0036-1007S	EJECT LEVER	1		
	22	1-0036-1013S	LOCK ARM	1		
	23	1-0036-1015S	SPG SUPPORT PLT	1		
	24	1-0036-1018S	CENTER PLATE	1		
	25	1-0036-1023S	CHANGE LEVER(B)	1		
	26	1-0036-1026S	FR ARM(B)	1		
	30	1-0138-1002S	CASSETTE HANGER	1		
	31	1-0138-1006S	ADJUSTER SHIN(X	1		
	32	1-0138-1010S	CASSETTE HOLDER	1		
	35	1-0363-1003S	EJECT CAM	1		
	37	1-0036-2001S	IDLE GEAR	1		
	38	1-0036-2003S	REDUCT.GEAR(B)	1		
	39	1-0036-2004S	REDUCT.GEAR(A)	1		
	40	1-0036-2007-5S	RATCHET	1		
	41	1-0036-2009S	SENSOR ARM	1		
	42	1-0036-2010S	SELECTOR GEAR	1		
	43	1-0036-2014S	DETECTOR GEAR	1		
	44	1-0038-2014S	GEAR LOCK ARM	1		
	45	1-0038-2018S	TAPE GUIDE	1		
	46	1-0363-2006S	ADJUSTER LINK(B	1		
	47	1-0138-2005-3S	ADJUSTER ARM(B)	1		
	48	1-0036-2005S	PULLEY GEAR	1		
	49	1-0032-2007S	TAPE HOOKER	1		
	50	1-0058-2021-5S	IDLER PULLEY(A)	1		
	53	1-0363-3018S	FF ROLLER	1		
	54	1-0036-3018S	COLLER	1		
	57	1-0363-3007S	HP ROLLER(A)	1		
	58	1-0363-3011S	PROGRAM ROLLER	1		
	61	1-0036-4001S	FF/REW LEVER SP	2		
	62	1-0036-4002S	LOCK LEVER SPG	1		
	63	1-0036-4003S	GEAR LOCK ARM S	1		
	65	1-0036-4006S	HEAD PLATE SPG	1		
	66	1-0036-4007S	EJ.CAM LOCK SPG	1		

■ Parts list (Cassette mechanism)

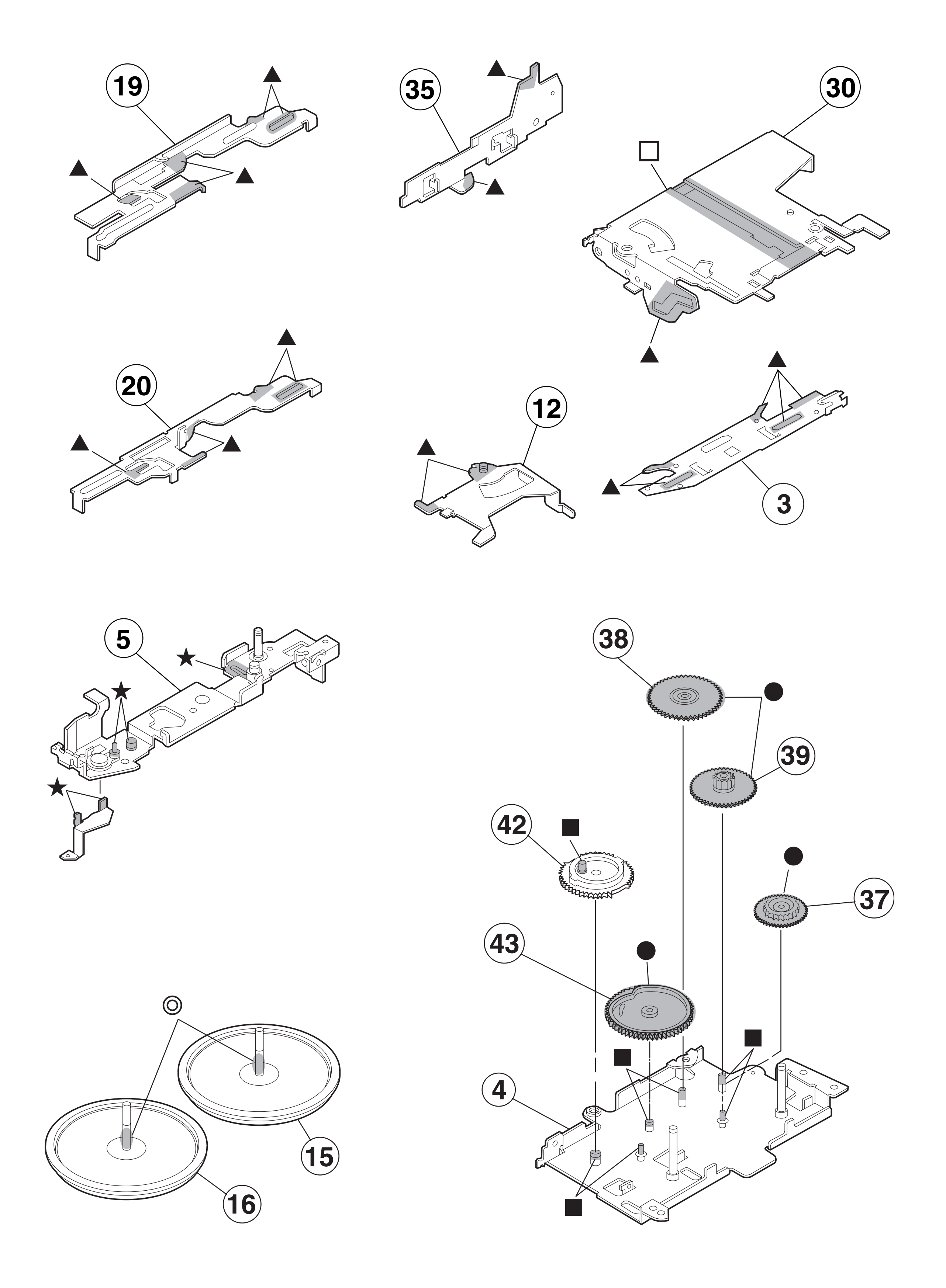
Block No. MPMM

⚠	Item	Parts number	Parts name	Q'ty	Description	Area
	67	1-0036-4008S	PROGRAM ARM SPG	1		
	68	1-0036-4010S	ADJUST ARM SP(A	1		
	69	1-0036-4011S	ADJUST ARM SP(B	1		
	70	1-0036-4015S	DASH SPG	1		
	71	1-0036-4017S	CHANGING ARM SP	1		
	72	1-0036-4023S	CENTER PLT SP(B	1		
	73	1-0038-4014S	RATCHET SPG	1		
	74	1-0138-4001S	BACK TEMSION SP	2		
	76	1-0363-4003S	PINCH ARM SPG F	1		
	77	1-0363-4004S	PINCH ARM SPG R	1		
	78	1-0363-4005S	EJECT LEVER SPG	1		
	79	1-0036-4005S	EJECT CAM SPG	1		
	80	1-0036-5020S	MAIN BELT(AL)	1		
	81	1-0363-5007S	RETURN LINK	1		
	82	1-0036-5001S	SUB BELT	1		
	83	1-0363-5003S	SELECTOR LINK B	1		
	85	1-0036-7002S	WIRE(A)	1		
	86	1-0036-7003S	WIRE(B)	1		
	87	1-0036-7073S	WIRE(AL)	1		
	89	X-0363-7006S	MOTOR ASSY	1		
	93	1-0363-7001S	MUTE SW	1		
	94	1-0363-7002S	SLIDE SW	1		
	95	1-0363-7008S	SLIDE SW PWB	1		
	96	1-0036-7016S	HEAD	1		
	97	1-0363-7005S	POWER SW	1		
	100	1-0036-7089S	6P WIRE ASY(JVC	1		
	101	1-0036-7088S	5P WIRE ASY(JVC	1		
	105	2-1816-0032-E8S	MYLAR WASHER(S)	2		
	106	2-1812-0030-D2S	POLY WASHER(S)	3		
	107	1-0036-5024S	PSW(REEL)	5		
	109	2-1712-0050-16S	E RING	5		
	110	2-1712-5060-16S	E RING	1		
	114	1-0363-7015S	MUTE SW PWB	1		
	115	2-1331-7040-C2S	SCREW S	1		
	116	2-1331-7060-C2S	SCREW S	1		
	117	2-1382-0030-C2S	SCREW B	5		
	118	2-1332-0040-C1S	SCREW S	1		
	119	2-1032-0070-C2S	SCREW	2		
	120	2-1032-0025-C2S	SCREW	2		
	121	2-1012-0040-C2S	SCREW	1		
	122	2-1012-0030-F2S	SCREW	1		
	123	1-0138-5002S	AZIMUTH SCREW	3		

Grease point 1/2

Grease	
●	FL-942
■	SW-902
▲	SW-522B
★	FG-84M
◎	C68
□	CFD-409

Grease point 2/2



■ **Electrical parts list (Main board)** **Block No. 01**

⚠	Item	Parts number	Parts name	Remarks	Area
	C 1	QEKJ1HM-104Z	E CAPACITOR	.10MF 20% 50V	
	C 2	NCB31EK-104X	C CAPACITOR		
	C 3	QERF1AM-227Z	E CAPACITOR	220MF 20% 10V	
	C 4	QERF1AM-227Z	E CAPACITOR	220MF 20% 10V	
	C 6	NCB21EK-124X	C CAPACITOR		
	C 7	NCB31EK-123X	C CAPACITOR		
	C 8	QERF1AM-107Z	E CAPACITOR	100MF 20% 10V	
	C 9	QERF1AM-227Z	E CAPACITOR	220MF 20% 10V	
	C 17	NCS31HJ-151X	C CAPACITOR		
	C 18	QERF1HM-474Z	E CAPACITOR	.47MF 20% 50V	
	C 20	NCS31HJ-102X	C CAPACITOR		
	C 21	QERF1HM-225Z	E CAPACITOR	2.2MF 20% 50V	
	C 24	NCB31EK-473X	C CAPACITOR		
	C 25	NCB31EK-104X	C CAPACITOR		
	C 30	NDC31HJ-470X	C CAPACITOR		
	C 112	QERF1HM-105Z	E CAPACITOR	1.0MF 20% 50V	
	C 113	NCB31HK-822X	C CAPACITOR		
	C 114	NCB21CK-184X	C CAPACITOR		
	C 115	QERF1HM-224Z	E CAPACITOR	.22MF 20% 50V	
	C 116	NCB31EK-333X	C CAPACITOR		
	C 117	NCB31EK-562X	C CAPACITOR		
	C 118	QERF1HM-105Z	E CAPACITOR	1.0MF 20% 50V	
	C 119	QERF1HM-105Z	E CAPACITOR	1.0MF 20% 50V	
	C 143	NCS31HJ-391X	C CAPACITOR		
	C 144	NCS31HJ-391X	C CAPACITOR		
	C 151	QERF1HM-105Z	E CAPACITOR	1.0MF 20% 50V	
	C 152	NCB31HK-122X	C CAPACITOR		
	C 153	QERF1HM-105Z	E CAPACITOR	1.0MF 20% 50V	
	C 154	NCB31HK-153X	C CAPACITOR		
	C 212	QERF1HM-105Z	E CAPACITOR	1.0MF 20% 50V	
	C 213	NCB31HK-822X	C CAPACITOR		
	C 214	NCB21CK-184X	C CAPACITOR		
	C 215	QERF1HM-224Z	E CAPACITOR	.22MF 20% 50V	
	C 216	NCB31EK-333X	C CAPACITOR		
	C 217	NCB31EK-562X	C CAPACITOR		
	C 218	QERF1HM-105Z	E CAPACITOR	1.0MF 20% 50V	
	C 219	QERF1HM-105Z	E CAPACITOR	1.0MF 20% 50V	
	C 243	NCS31HJ-391X	C CAPACITOR		
	C 244	NCS31HJ-391X	C CAPACITOR		
	C 251	QERF1HM-105Z	E CAPACITOR	1.0MF 20% 50V	
	C 252	NCB31HK-122X	C CAPACITOR		
	C 253	QERF1HM-105Z	E CAPACITOR	1.0MF 20% 50V	
	C 254	NCB31HK-153X	C CAPACITOR		
	C 301	NCB31HK-331X	C CAPACITOR	SO USE	
	C 302	NCB31HK-103X	C CAPACITOR	SO USE	
	C 303	NCB31EK-472X	C CAPACITOR	SO USE	
	C 304	NCB31EK-104X	C CAPACITOR	SO USE	
	C 305	QEKJ1HM-225Z	E CAPACITOR	SO USE	
	C 701	NDC31HJ-270X	C-CAPACITOR		
	C 702	NDC31HJ-270X	C-CAPACITOR		
	C 703	NCB31EK-104X	C CAPACITOR		
	C 704	NCB31EK-104X	C CAPACITOR		
	C 705	NCB31HK-102X	C CAPACITOR		
	C 707	NCB31EK-104X	C CAPACITOR		
	C 708	QERF1AM-227Z	E CAPACITOR	220MF 20% 10V	
	C 709	QERF0JM-107Z	E CAPACITOR	100MF 20% 6.3V	
	C 710	NCB31EK-104X	C CAPACITOR		
	C 711	NCB21CK-224X	C CAPACITOR		
	C 712	NCB21HK-104X	C CAPACITOR		
	C 713	NRSA02J-0R0X	MG RESISTOR		
	C 761	NCB31EK-223X	C CAPACITOR		
	C 762	NCS31HJ-561X	C CAPACITOR		
	C 763	QEKJ1HM-225Z	E CAPACITOR	2.2MF 20% 50V	
	C 764	NDC31HJ-820X	C CAPACITOR		
	C 765	NDC31HJ-470X	C CAPACITOR		
	C 766	QERF1CM-476Z	E CAPACITOR	47MF 20% 16V	

⚠	Item	Parts number	Parts name	Remarks	Area
	C 767	NCB31HK-103X	C CAPACITOR		
	C 768	NCB31HK-103X	C CAPACITOR		
	C 911	QERF1CM-476Z	E CAPACITOR	47MF 20% 16V	
	C 912	QERF1CM-107Z	E CAPACITOR	100MF 20% 16V	
	C 913	QERF1CM-107Z	E CAPACITOR	100MF 20% 16V	
	C 932	NCB31EK-104X	C CAPACITOR		
	C 941	NCB31EK-104X	C CAPACITOR		
	C 942	NCB31EK-104X	C CAPACITOR		
	C 943	NCB31EK-104X	C CAPACITOR		
	C 945	QEKJ1EM-475Z	E CAPACITOR	4.7MF 20% 25V	
	C 946	QERF1CM-226Z	E CAPACITOR	22MF 20% 16V	
	C 947	QFVD1HJ-224Z	CER.CAPACITOR	.22MF 5% 50V	
	C 948	QFVD1HJ-224Z	CER.CAPACITOR	.22MF 5% 50V	
	C 949	QFVD1HJ-224Z	CER.CAPACITOR	.22MF 5% 50V	
	C 950	QFVD1HJ-224Z	CER.CAPACITOR	.22MF 5% 50V	
	C 951	NCB31EK-104X	C CAPACITOR		
	C 952	NCB31EK-104X	C CAPACITOR		
	C 953	NCB31EK-104X	C CAPACITOR		
	C 954	NCB31EK-104X	C CAPACITOR		
	C 961	QETM1CM-228	E CAPACITOR	2200MF 20% 16V	
	C 962	QERF1CM-106Z	E CAPACITOR	10MF 20% 16V	
	C 963	QERF1CM-106Z	E CAPACITOR	10MF 20% 16V	
	C 964	QERF1AM-227Z	E CAPACITOR	220MF 20% 10V	
	C 965	QERF1AM-227Z	E CAPACITOR	220MF 20% 10V	
	C 966	QERF1CM-106Z	E CAPACITOR	10MF 20% 16V	
	C 967	QERF1CM-106Z	E CAPACITOR	10MF 20% 16V	
	C 968	QERF1CM-106Z	E CAPACITOR	10MF 20% 16V	
	C 969	NCB31EK-473X	C CAPACITOR		
	C 970	NCB31EK-473X	C CAPACITOR		
	C 971	NCB31EK-104X	C CAPACITOR		
	C 977	QERF1AM-227Z	E CAPACITOR	220MF 20% 10V	
	C 978	QEKJ1EM-475Z	E CAPACITOR	4.7MF 20% 25V	
	C 979	QERF1CM-476Z	E CAPACITOR	47MF 20% 16V	
	C 980	NCB31EK-473X	C CAPACITOR		
	C 981	QERF1CM-107Z	E CAPACITOR	100MF 20% 16V	
	C 982	QERF1CM-106Z	E CAPACITOR	10MF 20% 16V	
	C 984	QERF1AM-227Z	E CAPACITOR	220MF 20% 10V	
	CJ701	VMC0334-001	CONNECTOR		
	CN901	QGB1214J1-06S	CONNECTOR		
	CN902	QGB1214J1-06S	CONNECTOR		
	CP981	QNZ0112-001	CAR CONNECTOR		
	D 1	1SS355-X	DIODE		
	D 2	1SS355-X	DIODE		
	D 3	1SS355-X	DIODE		
	D 5	1SS355-X	DIODE		
	D 6	UDZS9.1B-X	Z DIODE		
	D 7	1SS355-X	DIODE		
	D 744	1SS355-X	DIODE		
	D 751	UDZS6.2B-X	SI DIODE		
	D 752	UDZS6.2B-X	SI DIODE		
	D 753	UDZS6.2B-X	SI DIODE		
	D 754	UDZS6.2B-X	SI DIODE		
	D 755	UDZS6.2B-X	SI DIODE		
	D 756	UDZS6.2B-X	SI DIODE		
	D 757	UDZS6.2B-X	SI DIODE		
	D 776	1SS355-X	DIODE		
	D 931	1SS355-X	DIODE		
	D 932	1SS355-X	DIODE		
	D 961	1N5401-F64	DIODE		
	D 963	1SS355-X	DIODE		
	D 964	1SS355-X	DIODE		
	D 965	RB160M-30-X	SB DIODE		
	D 966	RB160M-30-X	SB DIODE		
	D 977	1SS355-X	DIODE		
	D 978	UDZS11B-X	Z.DIODE		
	D 980	1SS355-X	DIODE		

■ Electrical parts list (Main board)   Block No. 01

⚠	Item	Parts number	Parts name	Remarks	Area
	D 982	1SS355-X	DIODE		
	D 983	1SS355-X	DIODE		
	D 984	1SS355-X	DIODE		
	IC701	UPD178078GF-595	I.C(MICRO-COMP)		
	IC761	SAA6579T-X	IC		
	IC911	TEA6320T-X	IC		
	IC941	LA4743K	IC		
	IC961	AN80T05LF	IC		
	J 1	QNB0100-002	ANT TERMINAL		
	J 931	QNN0519-001	PIN JACK		
	L 1	QQL231K-4R7Y	INDUCTOR		
	L 701	QQL231K-470Y	INDUCTOR		
	L 702	QQL231K-470Y	INDUCTOR		
	L 961	QQR1366-001	CHOKE COIL		
	Q 1	UN2211-X	TRANSISTOR		
	Q 2	UN2211-X	TRANSISTOR		
	Q 3	2SC2412K/R/-X	TRANSISTOR		
	Q 4	UN2111-X	TRANSISTOR		
	Q 5	2SA1037AK/RS/-X	TRANSISTOR		
	Q 6	2SA1037AK/RS/-X	TRANSISTOR		
	Q 7	2SC3661-X	TRANSISTOR		
	Q 8	UN2211-X	TRANSISTOR		
	Q 10	2SC3661-X	TRANSISTOR		
	Q 11	2SC2412K/R/-X	TRANSISTOR		
	Q 12	2SC2412K/R/-X	TRANSISTOR		
	Q 131	2SC2412K/R/-X	TRANSISTOR		
	Q 151	2SC2412K/R/-X	TRANSISTOR		
	Q 231	2SC2412K/R/-X	TRANSISTOR		
	Q 251	2SC2412K/R/-X	TRANSISTOR		
	Q 301	2SD601A/R/-X	TRANSISTOR	SO USE	
	Q 302	2SD601A/R/-X	TRANSISTOR	SO USE	
	Q 701	2SC2412K/R/-X	TRANSISTOR		
	Q 951	UN2111-X	TRANSISTOR		
	Q 953	UN2211-X	TRANSISTOR		
	Q 959	UN2211-X	TRANSISTOR		
	Q 960	2SA1037AK/RS/-X	TRANSISTOR		
	Q 961	2SA1037AK/RS/-X	TRANSISTOR		
	Q 962	2SB1322/RS/-T	TRANSISTOR		
	Q 963	2SA1037AK/RS/-X	TRANSISTOR		
	Q 964	UN2211-X	TRANSISTOR		
	Q 965	UN2211-X	TRANSISTOR		
	Q 966	UN2211-X	TRANSISTOR		
	Q 967	2SA1037AK/RS/-X	TRANSISTOR		
	Q 978	UN2211-X	TRANSISTOR		
	Q 979	UN2111-X	TRANSISTOR		
	Q 980	UN2211-X	TRANSISTOR		
	Q 981	UN2111-X	TRANSISTOR		
	R 3	NRSA63J-472X	MG RESISTOR		
	R 4	NRSA63J-473X	MG RESISTOR		
	R 5	NRS181J-332X	MG RESISTOR		
	R 6	NRSA63J-100X	MG RESISTOR		
	R 7	NRSA63J-473X	MG RESISTOR		
	R 8	NRSA63J-472X	MG RESISTOR		
	R 9	NRSA63J-102X	MG RESISTOR		
	R 10	NRSA63J-332X	MG RESISTOR		
	R 12	NRSA63J-102X	MG RESISTOR		
	R 14	NRSA63J-471X	MG RESISTOR		
	R 24	NRS181J-102X	MG RESISTOR		
	R 25	NRSA63J-102X	MG RESISTOR		
	R 26	NRSA63J-103X	MG RESISTOR		
	R 27	NRSA63J-102X	MG RESISTOR		
	R 29	NRS181J-152X	MG RESISTOR		
	R 32	NRSA63J-101X	MG RESISTOR		
	R 34	NRSA63J-223X	MG RESISTOR		
	R 112	NRSA63J-223X	MG RESISTOR		
	R 113	NRSA63J-222X	MG RESISTOR		
	R 132	NRSA63J-222X	MG RESISTOR		
	R 135	NRSA63J-101X	MG RESISTOR		
	R 136	NRSA63J-102X	MG RESISTOR		
	R 141	NRSA63J-273X	MG RESISTOR		
	R 142	NRSA63J-273X	MG RESISTOR		
	R 143	NRSA63J-473X	MG RESISTOR		
	R 144	NRSA63J-473X	MG RESISTOR		
	R 151	NRSA63J-103X	MG RESISTOR		
	R 152	NRSA63J-153X	MG RESISTOR		
	R 153	NRSA63J-472X	MG RESISTOR		
	R 212	NRSA63J-223X	MG RESISTOR		
	R 213	NRSA63J-222X	MG RESISTOR		
	R 232	NRSA63J-222X	MG RESISTOR		
	R 235	NRSA63J-101X	MG RESISTOR		
	R 236	NRSA63J-102X	MG RESISTOR		
	R 241	NRSA63J-273X	MG RESISTOR		
	R 242	NRSA63J-273X	MG RESISTOR		
	R 243	NRSA63J-473X	MG RESISTOR		
	R 244	NRS181J-473X	MG RESISTOR		
	R 251	NRSA63J-103X	MG RESISTOR		
	R 252	NRSA63J-153X	MG RESISTOR		
	R 253	NRSA63J-472X	MG RESISTOR		
	R 301	NRSA63J-473X	MG RESISTOR	SO USE	
	R 302	NRSA63J-473X	MG RESISTOR	SO USE	
	R 303	NRSA63J-103X	MG RESISTOR	SO USE	
	R 304	NRSA63J-222X	MG RESISTOR	SO USE	
	R 305	NRSA63J-153X	MG RESISTOR	SO USE	
	R 306	NRSA63J-471X	MG RESISTOR	SO USE	
	R 307	NRSA63J-103X	MG RESISTOR	SO USE	
	R 701	NRS181J-271X	MG RESISTOR		
	R 702	NRSA63J-271X	MG RESISTOR		
	R 703	NRS181J-271X	MG RESISTOR		
	R 704	NRSA63J-271X	MG RESISTOR		
	R 705	NRSA63J-103X	MG RESISTOR		
	R 707	NRSA63J-473X	MG RESISTOR		
	R 708	NRSA63J-104X	MG RESISTOR		
	R 709	NRSA63J-104X	MG RESISTOR		
	R 710	NRSA63J-473X	MG RESISTOR		
	R 711	NRSA63J-391X	MG RESISTOR		
	R 712	NRS181J-103X	MG RESISTOR		
	R 713	NRSA63J-103X	MG RESISTOR		
	R 715	NRS181J-103X	MG RESISTOR		
	R 716	NRS181J-103X	MG RESISTOR		
	R 717	NRS181J-103X	MG RESISTOR		
	R 718	NRSA63J-472X	MG RESISTOR		
	R 719	NRSA63J-472X	MG RESISTOR		
	R 720	NRSA63J-472X	MG RESISTOR		
	R 724	NRSA63J-472X	MG RESISTOR		
	R 725	NRSA63J-472X	MG RESISTOR		
	R 726	NRSA63J-472X	MG RESISTOR		
	R 728	NRSA63J-103X	MG RESISTOR	INTI. RES.	
	R 729	NRSA63J-472X	MG RESISTOR	INTI. RES.	
	R 730	NRSA63J-472X	MG RESISTOR	INTI. RES.	
	R 731	NRSA63J-472X	MG RESISTOR	INTI. RES.	
	R 732	NRSA63J-473X	MG RESISTOR	INTI. RES.	
	R 733	NRS181J-473X	MG RESISTOR		
	R 734	NRS181J-103X	MG RESISTOR		
	R 736	NRSA63J-103X	MG RESISTOR		
	TU 1	QAU0292-001	TUNER PACK		
	X 701	QAX0406-002Z	CRYSTAL		
	X 761	QAX0263-001Z	CRYSTAL		
	R 737	NRSA63J-473X	MG RESISTOR		
	R 738	NRSA63J-473X	MG RESISTOR		
	R 740	NRSA63J-473X	MG RESISTOR		
	R 743	NRSA63J-103X	MG RESISTOR	SO USE	
	R 746	NRSA63J-473X	MG RESISTOR		

■ Electrical parts list (Main board) Block No. 01

⚠	Item	Parts number	Parts name	Remarks	Area
	R 747	NRSA63J-473X	MG RESISTOR	INTI. RES.	
	R 748	NRSA63J-103X	MG RESISTOR	INTI. RES.	
	R 750	NRSA63J-473X	MG RESISTOR	INTI. RES.	
	R 761	NRSA63J-222X	MG RESISTOR		
	R 762	NRSA63J-222X	MG RESISTOR		
	R 763	NRSA63J-222X	MG RESISTOR		
	R 778	NRSA63J-473X	MG RESISTOR		
	R 779	NRSA63J-473X	MG RESISTOR		
	R 911	NRSA63J-271X	MG RESISTOR		
	R 912	NRSA63J-271X	MG RESISTOR		
	R 913	NRSA63J-100X	MG RESISTOR		
	R 941	NRSA63J-473X	MG RESISTOR		
	R 959	NRSA63J-222X	MG RESISTOR		
	R 960	NRSA63J-273X	MG RESISTOR		
	R 961	QRE141J-470Y	C RESISTOR	47 5% 1/4W	
	R 962	NRSA63J-682X	MG RESISTOR		
	R 963	NRSA63J-123X	MG RESISTOR		
	R 966	NRSA63J-473X	MG RESISTOR		
	R 967	NRSA63J-222X	MG RESISTOR		
	R 969	NRS181J-222X	MG RESISTOR		
	R 970	NRSA63J-473X	MG RESISTOR		
	R 971	NRS181J-222X	MG RESISTOR		
	R 972	NRS181J-222X	MG RESISTOR		
	R 974	NRSA63J-123X	MG RESISTOR		
	R 975	NRSA63J-243X	MG RESISTOR		
	R 977	NRSA63J-181X	MG RESISTOR		
	R 979	NRSA63J-473X	MG RESISTOR		
	R 980	NRSA63J-102X	MG RESISTOR		
	R 982	NRSA63J-472X	MG RESISTOR		

■ Electrical parts list (Mecha board) Block No. 02

⚠	Item	Parts number	Parts name	Remarks	Area
	C 101	QDGB1HK-821Y	C CAPACITOR		
	C 102	QEKJ1HM-474Z	E CAPACITOR	.47MF 20% 50V	
	C 103	QCBB1HK-101Y	C CAPACITOR	100PF 10% 50V	
	C 104	QEKJ0JM-476Z	E CAPACITOR	47MF 20% 6.3V	
	C 105	QFV61HJ-103Z	MF CAPACITOR	.010MF 5% 50V	
	C 201	QDGB1HK-821Y	C CAPACITOR		
	C 202	QERF1HM-474Z	E CAPACITOR	.47MF 20% 50V	
	C 203	QCBB1HK-101Y	C CAPACITOR	100PF 10% 50V	
	C 204	QEKJ0JM-476Z	E CAPACITOR	47MF 20% 6.3V	
	C 205	QFV61HJ-103Z	MF CAPACITOR	.010MF 5% 50V	
	C 901	QEKJ1AM-107Z	E CAPACITOR	100MF 20% 10V	
	CJ901	QGA2002C1-05	CONNECTOR		
	CP721	QGB1214K1-06S	CONN.TERMINAL		
	CP722	QGA2002F1-06	CONNECTOR		
	CP901	QGB1214K1-06S	CONN.TERMINAL		
	IC901	UPC1228HA	IC		
	R 101	QRE141J-153Y	C RESISTOR	15K 5% 1/4W	
	R 103	QRE141J-101Y	C RESISTOR	100 5% 1/4W	
	R 104	QRE141J-334Y	C RESISTOR	330K 5% 1/4W	
	R 201	QRE141J-153Y	C RESISTOR	15K 5% 1/4W	
	R 203	QRE141J-101Y	C RESISTOR	100 5% 1/4W	
	R 204	QRE141J-334Y	C RESISTOR	330K 5% 1/4W	
	R 901	QRE141J-101Y	C RESISTOR	100 5% 1/4W	

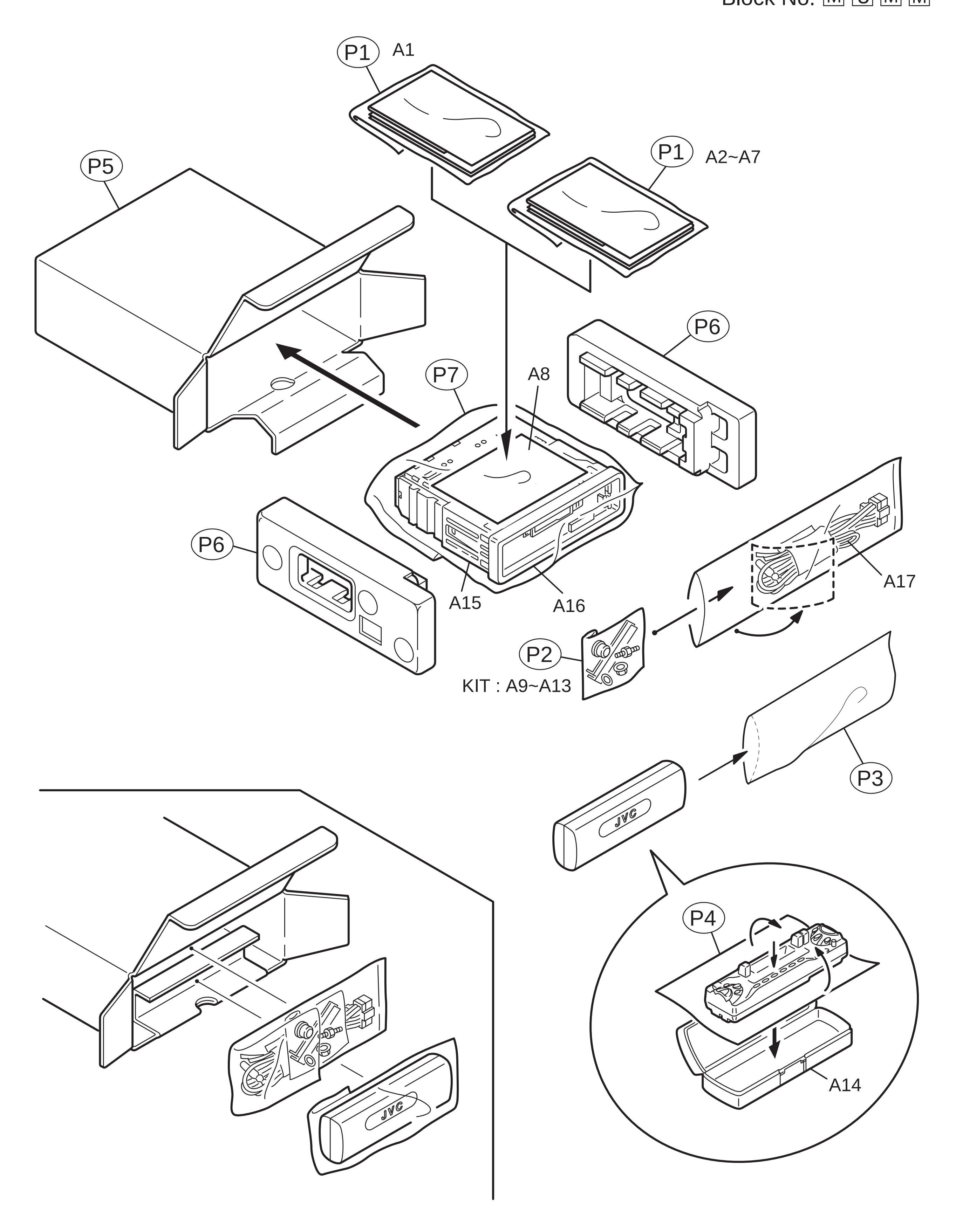
■ Electrical parts list (Front board)

Block No. 03

⚠	Item	Parts number	Parts name	Remarks	Area
	C 651	NCB31EK-103X	C CAPACITOR		
	C 652	NBE20JM-475X	TS E CAPACITOR		
	C 653	NCB31HK-681X	C CAPACITOR		
	CP701	VMC0335-001	CONNECTOR		
	D 601	SML-310LT/MN/-X	LED		
	D 602	SML-310DT/KL/-X	L.E.D.	KS-F383R	
	D 602	LNJ308G81/1-3/X	L.E.D.	KS-F380R	
	D 603	LNJ308G81/1-3/X	L.E.D.	KS-F380R	
	D 603	SML-310DT/KL/-X	L.E.D.	KS-F383R	
	D 604	SML-310DT/KL/-X	L.E.D.	KS-F383R	
	D 604	LNJ308G81/1-3/X	L.E.D.	KS-F380R	
	D 605	LNJ308G81/1-3/X	L.E.D.	KS-F380R	
	D 605	SML-310DT/KL/-X	L.E.D.	KS-F383R	
	D 606	SML-310DT/KL/-X	L.E.D.	KS-F383R	
	D 606	LNJ308G81/1-3/X	L.E.D.	KS-F380R	
	D 607	LNJ308G81/1-3/X	L.E.D.	KS-F380R	
	D 607	SML-310DT/KL/-X	L.E.D.	KS-F383R	
	D 608	LNJ308G81/1-3/X	L.E.D.	KS-F383R	
	D 608	SML-310VT/JK/-X	L.E.D.	KS-F380R	
	D 610	LNJ308G81/1-3/X	L.E.D.	KS-F380R	
	D 610	SML-310DT/KL/-X	L.E.D.	KS-F383R	
	D 611	SML-310DT/KL/-X	L.E.D.	KS-F383R	
	D 611	LNJ308G81/1-3/X	L.E.D.	KS-F380R	
	D 612	LNJ308G81/1-3/X	L.E.D.	KS-F380R	
	D 612	SML-310DT/KL/-X	L.E.D.	KS-F383R	
	D 613	SML-310DT/KL/-X	L.E.D.	KS-F383R	
	D 613	LNJ308G81/1-3/X	L.E.D.	KS-F380R	
	D 614	LNJ308G81/1-3/X	L.E.D.	KS-F380R	
	D 614	SML-310DT/KL/-X	L.E.D.	KS-F383R	
	D 615	SML-310DT/KL/-X	L.E.D.	KS-F383R	
	D 615	LNJ308G81/1-3/X	L.E.D.	KS-F380R	
	D 616	LNJ308G81/1-3/X	L.E.D.	KS-F380R	
	D 616	SML-310DT/KL/-X	L.E.D.	KS-F383R	
	D 617	SML-310DT/KL/-X	L.E.D.	KS-F383R	
	D 617	LNJ308G81/1-3/X	L.E.D.	KS-F380R	
	D 618	LNJ308G81/1-3/X	L.E.D.	KS-F380R	
	D 618	SML-310DT/KL/-X	L.E.D.	KS-F383R	
	D 619	SML-310DT/KL/-X	L.E.D.	KS-F383R	
	D 619	LNJ308G81/1-3/X	L.E.D.	KS-F380R	
	D 620	LNJ308G81/1-3/X	L.E.D.	KS-F380R	
	D 620	SML-310DT/KL/-X	L.E.D.	KS-F383R	
	D 654	MA152WK-X	SI DIODE		
	IC651	LC75823W	IC		
	PL601	QLL0076-001	PILOT LAMP	KS-F383R	
	PL601	QLL0152-001	PILOT LAMP	KS-F380R	
	PL603	QLL0152-001	PILOT LAMP	KS-F380R	
	PL603	QLL0076-001	PILOT LAMP	KS-F383R	
	R 601	NRSA63J-821X	MG RESISTOR		
	R 602	NRSA63J-821X	MG RESISTOR		
	R 603	NRSA63J-122X	MG RESISTOR		
	R 604	NRSA63J-182X	MG RESISTOR		
	R 605	NRSA63J-272X	MG RESISTOR		
	R 607	NRSA63J-821X	MG RESISTOR		
	R 608	NRSA63J-821X	MG RESISTOR		
	R 609	NRSA63J-122X	MG RESISTOR		
	R 610	NRSA63J-182X	MG RESISTOR		
	R 611	NRSA63J-272X	MG RESISTOR		
	R 613	NRSA63J-821X	MG RESISTOR		
	R 614	NRSA63J-821X	MG RESISTOR		
	R 615	NRSA63J-122X	MG RESISTOR		
	R 616	NRSA63J-182X	MG RESISTOR		
	R 617	NRSA63J-272X	MG RESISTOR		
	R 618	NRSA63J-392X	MG RESISTOR		
	R 635	NRSA02J-821X	MG RESISTOR		
	R 636	NRSA02J-122X	MG RESISTOR	KS-F383R	
	R 636	NRSA02J-821X	MG RESISTOR	KS-F380R	
	R 637	NRSA02J-821X	MG RESISTOR	KS-F380R	
	R 637	NRSA02J-122X	MG RESISTOR	KS-F383R	
	R 638	NRSA02J-122X	MG RESISTOR	KS-F383R	
	R 638	NRSA02J-821X	MG RESISTOR	KS-F380R	
	R 639	NRSA02J-821X	MG RESISTOR	KS-F380R	
	R 639	NRSA02J-122X	MG RESISTOR	KS-F383R	
	R 640	NRSA02J-122X	MG RESISTOR	KS-F383R	
	R 640	NRSA02J-152X	MG RESISTOR	KS-F380R	
	R 641	NRSA02J-152X	MG RESISTOR	KS-F380R	
	R 641	NRSA02J-122X	MG RESISTOR	KS-F383R	
	R 642	NRSA02J-122X	MG RESISTOR	KS-F383R	
	R 642	NRSA02J-821X	MG RESISTOR	KS-F380R	
	R 643	NRSA02J-821X	MG RESISTOR	KS-F380R	
	R 643	NRSA02J-122X	MG RESISTOR	KS-F383R	
	R 644	NRSA02J-122X	MG RESISTOR	KS-F383R	
	R 644	NRSA02J-561X	MG RESISTOR	KS-F380R	
	R 645	NRSA02J-621X	MG RESISTOR	KS-F380R	
	R 645	NRSA02J-122X	MG RESISTOR	KS-F383R	
	R 646	NRSA02J-122X	MG RESISTOR	KS-F383R	
	R 646	NRSA02J-821X	MG RESISTOR	KS-F380R	
	R 647	NRSA02J-821X	MG RESISTOR	KS-F380R	
	R 647	NRSA02J-122X	MG RESISTOR	KS-F383R	
	R 648	NRSA02J-122X	MG RESISTOR	KS-F383R	
	R 648	NRSA02J-821X	MG RESISTOR	KS-F380R	
	R 649	NRSA02J-122X	MG RESISTOR	KS-F383R	
	R 649	NRSA02J-152X	MG RESISTOR	KS-F380R	
	R 651	NRSA02J-152X	MG RESISTOR		
	R 652	NRSA02J-473X	MG RESISTOR		
	R 653	NRSA02J-184X	MG RESISTOR		
	R 654	NRSA02J-103X	MG RESISTOR		
	R 655	NRSA02J-103X	MG RESISTOR		
	R 656	NRSA02J-103X	MG RESISTOR		
	S 601	NSW0124-001X	TACT SW		
	S 602	NSW0124-001X	TACT SW		
	S 603	NSW0124-001X	TACT SW		
	S 604	NSW0124-001X	TACT SW		
	S 605	NSW0124-001X	TACT SW		
	S 606	NSW0124-001X	TACT SW		
	S 608	NSW0124-001X	TACT SW		
	S 609	NSW0124-001X	TACT SW		
	S 610	NSW0124-001X	TACT SW		
	S 611	NSW0124-001X	TACT SW		
	S 612	NSW0124-001X	TACT SW		
	S 614	NSW0124-001X	TACT SW		
	S 615	NSW0124-001X	TACT SW		
	S 616	NSW0124-001X	TACT SW		
	S 617	NSW0124-001X	TACT SW		
	S 618	NSW0124-001X	TACT SW		
	S 619	NSW0124-001X	TACT SW		
	S 620	NSW0124-001X	TACT SW		
	S 621	NSW0124-001X	TACT SW		

Packing materials and accessories parts list

Block No. M 3 M M
Block No. M 5 M M



■ Parts list (Packing)

Block No. M3MM

⚠	Item	Parts number	Parts name	Q'ty	Description	Area
	P 1	FSPG4002-001	POLY BAG	1		EX
		FSPG4002-001	POLY BAG	2	INST.BOOK	E
	P 2	QPA00801205	POLY BAG	1		
	P 3	QPA01003003	POLY BAG	1		
	P 4	FSYH4036-068	SHEET	1	FOR FRONT PANEL	
	P 5	GE30637-001A	CARTON	1	KS-F380R	
		GE30634-001A	CARTON	1	KS-F383R	
	P 6	GE10047-001A	EPS CUSHION	2	ONE PAIR CUSHIO	
	P 7	QPC03004315P	POLY BAG	1		

■ Parts list (Accessories)

Block No. M5MM

⚠	Item	Parts number	Parts name	Q'ty	Description	Area
	A 1	GET0110-001A	INST.BOOK	1	ENG,GER,FRN,DUT	
	A 2	GET0110-002A	INST.BOOK	1	RUS,SPA,ITA,POL	E
	A 3	GET0110-003B	INSTALL MANUAL	1	ENG,GER,FRN,DUT	
	A 4	GET0110-004B	INSTALL MANUAL	1	RUS,SPA,ITA,POL	E
	A 5	BT-54013-5	W.CARD	1		
	A 6	VND3050-002	IDENTITY CARD	1		
	A 7	VND3046-001	SERIAL TICKET	1		
	A 8	LV40978-001A	CAUTION SHEET	1		
	A 9	VKZ4027-202	PLUG NUT	1		
	A 10	VKH4871-001SS	MOUNT BOLT	1		
	A 11	VKZ4328-001	LOCK NUT	1	FOR M5	
	A 12	WNS5000Z	WASHER	1		
	A 13	GE40130-001A	HOOK	2		
	A 14	FSJB3002-30C	HARD CASE	1		
	A 15	GE20137-003A	MOUNTING SLEEVE	1		
	A 16	GE20135-001A	TRIM PLATE	1		
	A 17	QAM0175-002	CAR CABLE	1		
	K I T	KSFX480K-SCREW1	SCREW PARTS KIT	1	A9~A13	